



Illinois State Board of Education  
**State Course Catalog**

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**Illinois**  
State Board of  
Education

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## Foreword

*The Illinois State Course Catalog (ISCC)* outlines a coding system and course descriptions for education throughout the state. The catalog is intended to help schools and education agencies collect and maintain longitudinal information about students' coursework in an efficient, standardized format that facilitates the exchange of records as students transfer from one school to another, or to postsecondary education.

Illinois developed the ISCC based upon the work of the *School Codes for the Exchange of Data (SCED)* developed by the National Center for Education Statistics (NCES).

The work of Illinois schools with the ISCC provides for the routine collection of information to help the education system function efficiently and effectively. Standardized data available to education agency officials can:

- assist in the development of sound educational policies at all levels;
- improve the quality of instruction and boost student achievement;
- help compare information among communities and among states;
- improve the accuracy and timeliness of nationwide summaries of information about education systems;
- improve the quality and significance of education research—locally, statewide, and nationwide; and
- enhance reporting to the public about the condition and progress of education.

The Illinois State Board of Education (ISBE) acknowledges the significant contributions of the SCED in its development of the Illinois State Course Catalog.

## Introduction

### ***Developing a System for Classifying Courses***

In the summer of 2003, the National Center for Education Statistics (NCES) initiated work to develop a common classification system for school courses in the United States. The resulting *School Codes for Exchange of Data (SCED)* is the foundation work for the *Illinois State Course Catalog (ISCC)*. The primary purpose of the ISCC system is to make it easier for school districts and states to maintain longitudinal student records electronically, and to transmit course taking information from one student information system to another, from one school district to another, and from a school district to ISBE. As substantial numbers of states and entities adopt coding systems, it will produce a secondary benefit: standardized course information for those who evaluate transcripts for postsecondary admission or research purposes.

More specifically, a common classification system for secondary school courses would achieve the following:

- enable comparison of course offerings among districts and states;

- facilitate the use of electronic student transcripts;
- support longitudinal student information systems;
- encourage interoperability of student information and other data management systems by providing a standard for education software designers and vendors;
- reduce the cost and burden of transcript studies; and
- encourage the use of course taking information in research and evaluation of student outcomes.

### ***Illinois Longitudinal Data System***

The Illinois Longitudinal Data System, including The Transcript Coding Project, is also designed to meet the following needs:

- implement all of the America COMPETES Act elements;
- support a broad array of state and LEA education functions; and,
- collect PK-20 individual student data.

### ***The Illinois State Course Catalog (ISCC)***

The ISCC has been developed between in response to the requirements of Illinois legislative action and the Illinois Longitudinal Data System. It provides a listing of over 1,400 Illinois school course codes.

### ***Use and Users of the Course Catalog Classification System***

*Uses within the education system* - A common course classification system assists states developing statewide longitudinal data systems to meet the reporting requirements of local and state mandates, as well as to support Federal requirements. Without a statewide course classification system, it can be very burdensome to collect and interpret information from school districts about student course taking and the qualifications of teachers responsible for those courses.

The course classification system can be of benefit when a student transfers from one district to another.

A major objective of the ISCC is to provide common course descriptions that enable school counselors to compare courses more easily when reviewing the transcript of a transferring student. A common system for describing courses saves the counselor's time and ensures that the student is placed in appropriate classes without delay.

Postsecondary institutions need information about students and their coursework, typically to determine students' eligibility for enrollment, financial assistance, and eventual placement. For example, the National Collegiate Athletic Association (NCAA) uses secondary course information to determine a student's eligibility for postsecondary athletic programs. A completed Longitudinal Data System, with appropriate privacy law safeguards built into it, can provide common transcript information to help

postsecondary institutions and organizations fairly evaluate the course taking patterns of any high school student.

*Involvement of the education software community* - “Interoperability” in data management systems means that information can be transferred from one system to others with no effort on the part of a user. In a school district, for example, interoperable software applications would ensure that when the name and address of a new student are entered into the system once, the information also appears in the district’s library, class assignment, transportation, food service, student information management, and other relevant systems. ISCC provides a standard course coding framework for vendors of school information systems who are working toward interoperability. As vendors become aware of the ISCC, the course coding structure and definitions can be included in student information systems or used to form a common “crosswalk” from one system to another.

*Facilitating the research use of transcript data* - Researchers and policymakers represent another important use of course-related information. Education researchers typically want to identify trends in course taking and in students’ access to educational experiences, examine links between practice and desired outcomes, and analyze differences between subsets of students. Data about courses are combined with information about the students and their teachers, schools, parents, and communities in a number of ways.

Illinois, like many other states, is developing a longitudinal student data system in order to measure the added value of education to students as they move through the education pipeline. Information about the courses that students take, and their performance in these courses, is vital to understanding the effects of education—but almost impossible to measure without a standard system for describing courses. The ISCC provides comparability for that effort and can greatly reduce the time it takes to review course information.

## ISCC Course Listing

## **01 English Language and Literature**

### **01054A000 American Literature**

American Literature courses focus upon commonly known American authors and their work. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses, and written compositions are often required. (Available SY 2011-.)

### **01055A000 American Literature/History**

American Literature/History courses integrate the study of American literature with an overview of U.S. history. These courses may also include other aspects of American culture, such as art or music. A two-year sequence or two-period per day class may be required to cover the same objectives as would be covered separately in U.S. History Overview and American Literature. (Available SY 2011-.)

### **01005A000 AP English Language and Composition**

**AP Course**

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes. (Available SY 2011-.)

### **01006A000 AP English Literature and Composition**

**AP Course**

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Literature and Composition courses enable students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing). (Available SY 2011-.)

**01013A000 AP Seminar: English****AP Course**

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP Seminar: English courses expose students to a variety of texts covering multiple genres, topics, and rhetorical contexts in a seminar-style setting. These courses foster students' ability to summarize and explain the salient ideas in a text by analyzing an author's perspective, rhetorical choices, and argumentative structure. Students evaluate a variety of literary, informational, and visual texts, and synthesize perspectives to develop evidence-based arguments. Students convey their findings through multiple written formats, multimedia presentations, and oral defenses. (Available SY 2023-.)

**01156A000 Applied English and Communications**

Applied English and Communications courses teach students communication skills—reading, writing, listening, speaking—concentrating on “real-world” applications. These courses usually emphasize the practical application of communication as a business tool—using technical reports and manuals, business letters, resumes, and applications as examples—rather than emphasize language arts skills as applied to scholarly and literary materials. (Available SY 2011-.)

**01067A000 Assisted Reading**

Assisted Reading courses offer students the opportunity to focus on their reading skills. Assistance is targeted to students' particular weaknesses and is designed to bring students' reading comprehension up to the desired level or to develop strategies to read more efficiently. (Available SY 2011-.)

**51067A000 Assisted Reading (prior-to-secondary)**

Assisted Reading courses offer students the opportunity to focus on their reading skills. Assistance is targeted to students' particular weaknesses and is designed to bring students' reading comprehension up to the desired level or to develop strategies to read more efficiently. (Available SY 2012-2023.)

**01059A000 Biblical Literature**

Biblical Literature courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on the books of the Bible. Students may compare techniques, styles, and themes of the various books; examine the Bible's influence on secular literature; and may study historical events of Biblical times. Oral discussion is an integral part of these courses, and written compositions are often required. (Available SY 2011-.)



### **01056A000 British Literature**

British Literature courses may provide a survey of British literature or may focus on a selected timeframe of England's history. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses, and written compositions are often required. (Available SY 2011-.)

### **01057A000 British Literature/History**

British Literature/History courses integrate the study of British literature with an overview of the history of England. These courses may also include other aspects of British culture, such as art or music. A two-year sequence or two-period per day class may be required to cover the same objectives as would be covered separately in English History Overview and British Literature. (Available SY 2011-.)

### **01155A000 Communications**

Communications courses focus on the application of written and oral communication skills through a variety of formal and informal experiences. The courses are performance-based and emphasize effective interpersonal and team-building skills. Communications courses may also involve the study of how interpersonal communications are affected by stereotypes, nonverbal cues, vocabulary, and stylistic choices. (Available SY 2011-.)

### **51155A000 Communications (prior-to-secondary)**

Communications courses focus on the application of written and oral communication skills through a variety of formal and informal experiences. The courses are performance based and emphasize effective interpersonal and team-building skills. Communications courses may also involve the study of how interpersonal communications are affected by stereotypes, nonverbal cues, vocabulary, and stylistic choices. (Available SY 2012-2023.)

### **01103A000 Composition**

Composition courses focus on students' writing skills and develop their ability to compose different types of papers for a range of purposes and audiences. These courses enable students to explore and practice descriptive, narrative, persuasive, or expository styles as they write paragraphs, essays, letters, applications, formal documented papers, or technical reports. Although composition courses may present some opportunities for creative writing, their focus usually remains on nonfiction, scholarly, or formal writing. (Available SY 2011-.)

### **51103A000 Composition (prior-to-secondary)**

Composition courses focus on students' writing skills and develop their ability to compose different types of papers for a range of purposes and audiences. These courses enable students to explore and practice descriptive, narrative, persuasive, or expository styles as they write paragraphs, essays, letters, applications, formal documented papers, or technical reports. Although composition courses may present some opportunities for creative writing, their focus usually remains on nonfiction, scholarly, or formal writing. (Available SY 2012-2023.)

### **51147A000 Composition – Independent Study**

Composition-Independent Study courses, often conducted with instructors as mentors, allow students to explore particular topics within the field of language arts (emphasizing composition). Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **51149A000 Composition – Other**

(Available SY 2012-2023.)

### **01147A000 Composition—Independent Study**

Composition—Independent study, often conducted with instructors as mentors, allow students to explore particular topics within the field of language arts (emphasizing composition). Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **01149A000 Composition—Other**

Other Composition courses. (Available SY 2011-.)

### **01148A000 Composition—Workplace Experience**

Composition—Workplace Experience courses provide work experience in a field related to English composition. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well,

involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **01068A000 Corrective Reading**

Corrective Reading courses offer diagnostic and remedial activities designed to correct reading difficulties and habits that interfere with students' progress in developing reading skills and understandings. Activities are chosen to increase or improve students' reading comprehension, reading technique, and general literacy skills. (Available SY 2011-.)

### **51068A000 Corrective Reading (prior-to-secondary)**

Corrective Reading courses offer diagnostic and remedial activities designed to correct reading difficulties and habits that interfere with students' progress in developing reading skills and understandings. Activities are chosen to increase or improve students' reading comprehension, reading technique, and general literacy skills. (Available SY 2012-2023.)

### **01104A000 Creative Writing**

Creative Writing courses offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. Although most creative writing classes cover several expressive forms, others concentrate exclusively on one particular form (such as poetry or playwriting). (Available SY 2011-.)

### **51104A000 Creative Writing (prior-to-secondary)**

Creative Writing courses offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. Although most creative writing classes cover several expressive forms, others concentrate exclusively on one particular form (such as poetry or playwriting). (Available SY 2012-2023.)

### **51203A000 English – Test Preparation**

English – Test Preparation courses provide to students activities in analytical thinking and with the skills and strategies associated with standardized test taking. Topics covered include vocabulary, reading comprehension, and writing strategies, as well as time management, scoring procedures,

and dealing with test-related stress. Course materials may include national and state standardized test review materials, current assessment software programs, and previous standardized examinations. (Available SY 2012-2023.)

### **01008A000 English as a Second Language**

English as a Second Language (ESL) courses are designed for the acquisition and rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. ESL courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. These courses provide an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then to advance to “regular” English courses. ESL classes may also include an orientation to the customs and culture of the diverse population in the United States. (Available SY 2011-.)

### **51008A000 English as a Second Language (prior-to-secondary)**

English as a Second Language (ESL) courses are designed for English language acquisition, focusing on reading, writing, speaking, and listening skills. ESL courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. These courses provide a foundation of the basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles, to succeed in content classrooms, and to move into "regular" English courses. ESL courses may also include an orientation to the customs and culture of the diverse population in the United States. (Available SY 2012-2023.)

### **01204A000 English Grammar**

English Grammar courses focus on the structure of the formal standard American English language, involving sentence structure; parts of speech; the function of words, phrases, and clauses; and proper punctuation. (Available SY 2021-.)

### **01995A000 English Language and Literature—Aide**

English Language and Literature—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

### **01997A000 English Language and Literature—Independent Study**

English Language and Literature—Independent study courses, often conducted with instructors as mentors, allow students to explore particular topics within the field of language arts. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **01999A000 English Language and Literature—Other**

Other English Language and Literature courses. (Available SY 2011-.)

### **01996A000 English Language and Literature—Supplemental**

English Language and Literature—Supplemental courses, designed to be taken in addition to or in coordination with other English language and literature courses, provide instruction to assist students in acquiring English language arts skills so that students attain necessary grade-level skills or reach a desired competency level. (Available SY 2021-.)

### **51996A000 English Language and Literature—Supplemental (prior-to-secondary)**

English Language and Literature--Supplemental courses, designed to be taken in addition to or in coordination with other English language and literature courses, provide instruction to assist students in acquiring English language arts skills so that students attain necessary grade-level skills or reach a desired competency level. (Available SY 2012-2023.)

### **01998A000 English Language and Literature—Workplace Experience**

English Language and Literature—Workplace Experience courses provide students with work experience in a field related to English language or literature. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **01201A000 English Morphology and Grammar**

English Morphology and Grammar courses involve the study of the English language—its roots and derivations, structure and sentence patterns, dialects, writing and spelling systems, and uses as a communication tool. (Available SY 2011-.)

### **01992A000 English Proficiency Development**

English Proficiency Development courses are designed to assist students in acquiring the skills necessary to pass proficiency examinations. (Available SY 2011-.)

### **51992A000 English Proficiency Development (prior-to-secondary)**

English Proficiency Development courses are designed to assist students in acquiring the skills necessary to pass proficiency examinations. (Available SY 2012-2023.)

### **01101A000 English/Composition (freshmen and sophomores)**

English/Composition (freshmen and sophomores) courses are designed for freshmen and/or sophomores and build upon previous writing skills. These courses seek to develop the writing processes and practices necessary for producing successful high school compositions. Students typically learn to write persuasive, critical, and creative multi-paragraph essays and compositions. While emphasizing composition, these courses may also incorporate some literature study to expose students to exemplary illustrations of various forms of writing. (Available SY 2011-.)

### **01102A000 English/Composition (juniors and seniors)**

English/Composition (juniors and seniors) courses are designed for juniors and/or seniors and build upon previous writing skills. Reinforcing the logic and critical-thinking skills that accompany good writing, these courses—which emphasize word choice, usage, and writing mechanics—provide continued and advanced instruction in writing for a variety of purposes and audiences. English/Composition (juniors and seniors) courses may emphasize college or business preparation; literature study may be offered as an additional component in which students analyze examples of several genres. (Available SY 2011-.)

### **01001A000 English/Language Arts I (9th grade)**

English/Language Arts I (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and

define various genres of literature, with writing exercises often linked to reading selections. (Available SY 2011-.)

### **01002A000 English/Language Arts II (10th grade)**

English/Language Arts II (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message. (Available SY 2011-.)

### **01003A000 English/Language Arts III (11th grade)**

English/Language Arts III (11th grade) courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses. (Available SY 2011-.)

### **01004A000 English/Language Arts IV (12th grade)**

English/Language Arts IV (12th grade) courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers. (Available SY 2011-.)

### **01051A000 English/Literature (freshmen and sophomores)**

English/Literature (freshmen and sophomores) courses are designed for freshmen and/or sophomores and typically introduce them to two or more genres of literature (novel, short story, poetry, and so on). Exploration of each genre's literary elements; determination of theme and intent; and examination of vocabulary and semantics are often included in the course content. Writing assignments are required as an additional method to improve understanding and comprehension. (Available SY 2011-.)

### **01052A000 English/Literature (juniors and seniors)**

English/Literature (juniors and seniors) courses are designed for juniors and/or seniors and emphasize comprehension, discernment, and critical-thinking skills in the reading of texts and

literature. These courses introduce and explore more advanced literary techniques (irony, satire, humor, connotation, tone, rhythm, symbolism, and so on) through two or more literary genres, with the aim of creating sophisticated readers. Writing assignments are required as an additional method to develop and improve critical-thinking and analytic skills. (Available SY 2011-.)

### **01203A000 English—Test Preparation**

English—Test Preparation courses provide students with activities in analytical thinking and with the skills and strategies associated with standardized test taking. Topics covered include vocabulary, reading comprehension, and writing strategies, as well as time management, scoring procedures, and dealing with test-related stress. Course materials may include national and state standardized test review materials (such as ACT, SAT, or PSAT test review materials), current assessment software programs, and previous standardized examinations. (Available SY 2011-.)

### **01153A000 Forensic Speech—Debate**

Forensic Speech—Debate courses offer students the opportunity to learn how to use oral skills in formal and informal situations. In these courses, students are able to develop such skills as logic and reasoning, research and analysis, organization of thought and supporting materials, argumentative style and skill, and effective presentation of one's voice and body. Often linked to an extracurricular program, these courses introduce students to the methods, aims, and styles used in various kinds of debates (formal debate or Lincoln-Douglas). Participation in competition is encouraged, but not always required. (Available SY 2011-.)

### **01152A000 Forensic Speech—Inclusive**

Forensic Speech—Inclusive courses offer students the opportunity to learn how to use oral skills effectively in formal and informal situations. Students learn such skills as logic and reasoning, the organization of thought and supporting materials, and effective presentation of one's voice and body. Often linked to an extracurricular program, these courses introduce students to numerous public speaking situations, and they learn the methods, aims, and styles of a variety of events (e.g., formal debate, Lincoln-Douglas debate, expository speaking, radio broadcast, oral interpretation, and dramatic interpretation). Participation in competition is encouraged, but not always required. (Available SY 2011-.)

### **01154A000 Forensic Speech—Individual Event**

Forensic Speech—Individual Event courses offer students the opportunity to learn how to use oral skills in formal and informal situations. Topics included depend upon the event(s) being taught, but they usually emphasize effective presentation of one's voice and body, thoughtful understanding and interpretation of literature, logic and reasoning, and the organization of thought and supporting materials. Often linked to an extracurricular program, these courses introduce students to one or



several individual event categories (e.g., exposition, oral interpretation, dramatic interpretation, and radio broadcast). Participation in competition is encouraged, but not always required. (Available SY 2011-.)

### **01202A000 History of the English Language**

History of the English Language courses trace the development of English, concentrating on historical and cultural influences and how the language has changed over time. Although language roots, structures, and dialects may be examined, the emphasis remains on the process of language development rather than on morphology. (Available SY 2011-.)

### **01010A000 IB Language A (English), Middle Years Program**

**IB Course**

International Baccalaureate (IB) Language A (English), Middle Years Program courses include instruction in the instrumental function of a language, emphasizing skills in listening, viewing, speaking, reading, presenting, and writing, as well as literature encompassing a variety of periods and genres. (Available SY 2024-.)

### **51007A000 IB Language A (English), Middle Years Program**

**IB Course**

International Baccalaureate (IB) Language A (English), Middle Years Program courses include instruction in the instrumental function of a language, emphasizing skills in listening, viewing, speaking, reading, presenting, and writing, as well as literature encompassing a variety of periods and genres. (Available SY 2012-2022.)

### **01011A000 IB Language A: Language and Literature—English**

**IB Course**

IB Language A: Language and Literature—English courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of various text types and literary forms, composition for purpose and audience, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using English in an academic context. (Available SY 2021-.)

### **01007A000 IB Language A: Literature—English**

**IB Course**

IB Language A: Literature—English courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses

and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using English in an academic context. (Available SY 2011-.)

### **01012A000 IB Literature and Performance**

### **IB Course**

IB Literature and Performance courses prepare students to take the International Baccalaureate Literature and Performance exam. Course content focuses on the relationship between literature and theatre. These courses may cover the critical study of literary texts, the exploration of chosen approaches to a text, and the performance of written texts. (Available SY 2021-.)

### **51029A000 Language Arts (grade 1)**

Language Arts (grade 1) courses include the four aspects of language use: reading, writing, speaking, and listening. These courses may emphasize recognition of and response to various types of text, extension of vocabulary and writing skills, and the connection of language to the expression of ideas. Specific content depends upon state standards for grade 1. (Available SY 2012-2023.)

### **01029A000 Language Arts (grade 1)**

Language Arts (grade 1) courses include the four aspects of language use: reading, writing, speaking, and listening. These courses may emphasize recognition of and response to various types of text, extension of vocabulary and writing skills, and the connection of language to the expression of ideas. Specific content depends upon state standards for grade 1. (Available SY 2024-.)

### **01030A000 Language Arts (grade 2)**

Language Arts (grade 2) courses include the four aspects of language use: reading, writing, speaking, and listening. These courses may build students' skills in independent reading and writing by increasing reading and writing fluency, vocabulary, and recognition of word and language patterns. They may also introduce or reinforce the rules of grammar. Specific content depends upon state standards for grade 2. (Available SY 2024-.)

### **51030A000 Language Arts (grade 2)**

Language Arts (grade 2) courses include the four aspects of language use: reading, writing, speaking, and listening. These courses may build students' skills in independent reading and writing by increasing reading and writing fluency, vocabulary, and recognition of word and

language patterns. They may also introduce or reinforce the rules of grammar. Specific content depends upon state standards for grade 2. (Available SY 2012-2023.)

### **51031A000 Language Arts (grade 3)**

Language Arts (grade 3) courses include the four aspects of language use: reading, writing, speaking, and listening. These courses may emphasize independent reading and writing in a variety of assignments. Some emphasis may also be placed on presentation or oral communication skills. Specific content depends upon state standards for grade 3. (Available SY 2012-2023.)

### **01031A000 Language Arts (grade 3)**

Language Arts (grade 3) courses include the four aspects of language use: reading, writing, speaking, and listening. These courses may emphasize independent reading and writing in a variety of assignments. Some emphasis may also be placed on presentation or oral communication skills. Specific content depends upon state standards for grade 3. (Available SY 2024-.)

### **01032A000 Language Arts (grade 4)**

Language Arts (grade 4) courses include the four aspects of language use: reading, writing, speaking, and listening. These courses may emphasize independent reading and writing in a variety of assignments and require students to respond to different material in different ways. Grammar and usage of the English language may also be emphasized. Specific content depends upon state standards for grade 4. (Available SY 2024-.)

### **51032A000 Language Arts (grade 4)**

Language Arts (grade 4) courses include the four aspects of language use: reading, writing, speaking, and listening. These courses may emphasize independent reading and writing in a variety of assignments and require students to respond to different material in different ways. Grammar and usage of the English language may also be emphasized. Specific content depends upon state standards for grade 4. (Available SY 2012-2023.)

### **51033A000 Language Arts (grade 5)**

Language Arts (grade 5) courses include the four aspects of language use: reading, writing, speaking, and listening. These courses may extend students' skills in composition, writing for particular purposes or audiences, distinguishing meaning and literary functions in texts, and

fluency in reading. Specific content depends upon state standards for grade 5. (Available SY 2012-2023.)

### **01033A000 Language Arts (grade 5)**

Language Arts (grade 5) courses include the four aspects of language use: reading, writing, speaking, and listening. These courses may extend students' skills in composition, writing for particular purposes or audiences, distinguishing meaning and literary functions in texts, and fluency in reading. Specific content depends upon state standards for grade 5. (Available SY 2024-.)

### **01034A000 Language Arts (grade 6)**

Language Arts (grade 6) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and include the four aspects of language use: reading, writing, speaking, and listening. These courses may emphasize the use of language for different effects, in different contexts, and for different purposes. Specific content depends upon state standards for grade 6. (Available SY 2024-.)

### **51034A000 Language Arts (grade 6)**

Language Arts (grade 6) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and include the four aspects of language use: reading, writing, speaking, and listening. These courses may emphasize the use of language for different effects, in different contexts, and for different purposes. Specific content depends upon state standards for grade 6. (Available SY 2012-2023.)

### **51035A000 Language Arts (grade 7)**

Language Arts (grade 7) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and include the four aspects of language use: reading, writing, speaking, and listening. Beyond emphasizing different uses for language, these courses may also include using language (particularly written text) to construct meaning and connections. Specific content depends upon state standards for grade 7. (Available SY 2012-2023.)

### **01035A000 Language Arts (grade 7)**

Language Arts (grade 7) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and include the four aspects of language use: reading, writing, speaking, and listening. Beyond emphasizing different uses for language, these courses

may also include using language (particularly written text) to construct meaning and connections. Specific content depends upon state standards for grade 7. (Available SY 2024-.)

### **01036A000 Language Arts (grade 8)**

Language Arts (grade 8) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses use various genres of literature to improve reading skills, and they link writing exercises for different purposes to those reading selections. Specific content depends upon state standards for grade 8. (Available SY 2024-.)

### **51036A000 Language Arts (grade 8)**

Language Arts (grade 8) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses use various genres of literature to improve reading skills, and they link writing exercises for different purposes to those reading selections. Specific content depends upon state standards for grade 8. (Available SY 2012-2023.)

### **51027A000 Language Arts (pre-kindergarten)**

Language Arts (pre-kindergarten) courses develop students' readiness for language arts learning in reading, writing, listening, and speaking. Courses may include activities related to phonics, phonemic awareness, and vocabulary. Content is age appropriate and conforms to any existing state standards for pre- kindergarten education. (Available SY 2012-2023.)

### **01027A000 Language Arts (pre-kindergarten)**

Language Arts (pre-kindergarten) courses develop students' readiness for language arts learning in reading, writing, listening, and speaking. Courses may include activities related to phonics, phonemic awareness, and vocabulary. Content is age appropriate and conforms to any existing state standards for pre- kindergarten education. (Available SY 2024-.)

### **01026A000 Language Arts (early childhood education)**

Language Arts (early childhood education) courses develop students' readiness for language arts learning in reading, writing, listening, and speaking. Courses may include activities related to phonics, phonemic awareness, and vocabulary. Content is age appropriate and conforms to any existing state standards for early childhood education. (Available SY 2024-.)

**51026A000 Language Arts (early childhood education)**

Language Arts (early childhood education) courses develop students' readiness for language arts learning in reading, writing, listening, and speaking. Courses may include activities related to phonics, phonemic awareness, and vocabulary. Content is age appropriate and conforms to any existing state standards for early childhood education. (Available SY 2012-2023.)

**01028A000 Language Arts (kindergarten)**

Language Arts (kindergarten) courses engage students in activities to develop their language arts skills (reading, writing, listening, and speaking). Course content may emphasize storytelling or reading aloud and evoking a written, oral, or pictorial response. Specific content depends upon state standards for kindergarten. (Available SY 2024-.)

**51028A000 Language Arts (kindergarten)**

Language Arts (kindergarten) courses engage students in activities to develop their language arts skills (reading, writing, listening, and speaking). Course content may emphasize storytelling or reading aloud and evoking a written, oral, or pictorial response. Specific content depends upon state standards for kindergarten. (Available SY 2012-2023.)

**01009A000 Language Arts Laboratory**

Language Arts Laboratory courses provide instruction in basic language skills, integrating reading, writing, speaking, and listening, while placing great emphasis on the progress of individual students. Course content depends upon students' abilities and may include vocabulary building, improving spelling and grammar, developing writing and composition skills, reading silently or aloud, and improving listening and comprehension abilities. (Available SY 2011-.)

**51009A000 Language Arts Laboratory (prior-to-secondary)**

Language Arts Laboratory courses provide instruction in basic language skills, integrating reading, writing, speaking, and listening, while placing great emphasis on the progress of individual students. Course content depends upon students' abilities and may include vocabulary building, improving spelling and grammar, developing writing and composition skills, reading silently or aloud, and improving listening and comprehension abilities. (Available SY 2012-2023.)

### **51037A000 Language Arts—General**

Language Arts—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Language Arts, early childhood education through grade 8).] (Available SY 2012-2023.)

### **01037A000 Language Arts—General**

Language Arts—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Language Arts, early childhood education through grade 8).] (Available SY 2024-.)

### **01053A000 Literature**

Literature courses offer the opportunity for students to study and reflect upon the themes presented in the body of literature being presented. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the reading selection and as they understand how the work reflects society's problems and culture. Oral discussion is an integral part of literature courses, and written compositions are often required. Literature courses may survey representative works, reflect a particular genre or a specific theme, or survey works of a particular time or people. (Available SY 2011-.)

### **51053A000 Literature (prior-to-secondary)**

Literature courses offer the opportunity for students to study and reflect upon the themes presented in the body of literature being presented. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the reading selection and as they understand how the work reflects society's problems and culture. Oral discussion is an integral part of literature courses, and written compositions are often required. Literature courses may survey representative works, reflect a particular genre or a specific theme, or survey works of a particular time or people. (Available SY 2012-2023.)

### **51097A000 Literature – Independent Study**

Courses in Literature-Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to literature. Independent Study courses may serve as

an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **51099A000 Literature – Other**

(Available SY 2012-2023.)

### **01061A000 Literature of a Genre**

These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on one or several genres, such as poetry, essay, biography, short story, drama, film, and so on. Students determine the underlying assumptions and values within the selected works and also examine the structure, techniques, and intentions of the genre being studied. Oral discussion is an integral part of these genre-oriented courses, and written compositions are often required. (Available SY 2011-.)

### **01064A000 Literature of a People**

These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), but use literature written by authors who share a particular characteristic such as religion, culture, or gender. Students determine the underlying assumptions and values within the selected works, reflect upon the influence of a common characteristic, and compare the points of view of various authors. Oral discussion is an integral part of literature courses, and written compositions are often required. (Available SY 2011-.)

### **01062A000 Literature of a Period**

These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on the literature written during or reflecting a particular time period (such as the French Revolution, the 1960s, or the 20th century). Students determine the underlying assumptions and values within the selected works, reflect upon the influence of societal events and social attitudes, and compare the points of view of various authors. Oral discussion is an integral part of literature courses, and written compositions are often required. (Available SY 2011-.)

### **01063A000 Literature of a Place**

These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on a particular geographic region. Students determine the underlying assumptions and values within the selected works; study how the literature reflects the



land, society, and history of the region; and may study the influence of this literature on others. Oral discussion is an integral part of literature courses, and written compositions are often required. (Available SY 2011-.)

### **01065A000 Literature of a Theme**

These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), but use selected literature to explore a particular theme as expressed from several points of view. Such themes might include The American Dream, Society and Self, Exploration, War and Peace, and the like. (Available SY 2011-.)

### **01060A000 Literature of an Author**

These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on a particular author and his or her work. Students determine the underlying assumptions and values within the selected works; compare techniques, styles, and themes of the author; and reflect upon the time period in which the author lived. Oral discussion is an integral part of literature courses, and written compositions are often required. (Available SY 2011-.)

### **01097A000 Literature—Independent Study**

Courses in Literature—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to literature. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **01099A000 Literature—Other**

Other Literature courses. (Available SY 2011-.)

### **01098A000 Literature—Workplace Experience**

Literature—Workplace Experience courses provide work experience in a field related to English literature. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **01069A000 Mythology**

Mythology courses introduce students to the origins and meaning of myths, including how cultures use myths to explain natural or social phenomenon. Students will explore the major themes, stories, characters, and archetypes present in the mythologies of several different cultures. (Available SY 2021-.)

### **01001A001 Pre-AP English 1**

**Pre-AP Course**

Pre-AP English 1 prepares students for close, critical reading and analytical writing. Students learn to observe small details to arrive at an understanding of the whole and to appreciate authors' choices as they examine how language and conventions are used for both precision and style across a range of literary and nonfiction texts. As writers, students build the foundational skill of crafting complex sentences before moving to well-organized paragraphs and essays. Pre-AP courses follow College Board program requirements that lead to official authorization on Course Ledger. (Available SY 2022-.)

### **01002A001 Pre-AP English 2**

**Pre-AP Course**

Pre-AP English 2 builds on Pre-AP English 1 as students apply the routines of close observation, critical analysis, and appreciation of author's craft to a range of nonfiction and literary texts. Students develop an awareness of how poets, playwrights, novelists, and writers of nonfiction use language to serve their unique purposes. Students write analyses based on prose fiction, poetry, and arguments, and they synthesize sources to develop an original argument. Pre-AP courses follow College Board program requirements that lead to official authorization on Course Ledger. (Available SY 2022-.)

### **01151A000 Public Speaking**

Public Speaking courses enable students, through practice, to develop communication skills that can be used in a variety of speaking situations (such as small and large group discussions, delivery of lectures or speeches in front of audiences, and so on). Course topics may include (but are not limited to) research and organization, writing for verbal delivery, stylistic choices, visual and presentation skills, analysis and critique, and development of self-confidence. (Available SY 2011-.)

### **51151A000 Public Speaking (prior-to-secondary)**

Public Speaking courses enable students, through practice, to develop communication skills that can be used in a variety of speaking situations (such as small- and large-group discussions, delivery of lectures or speeches in front of audiences, and so on). Course topics may include (but are not limited to) research and organization, writing for verbal delivery, stylistic choices, visual and

presentation skills, analysis and critique, and development of self-confidence. (Available SY 2012-2023.)

### **51041A000 Reading (grade 1)**

Reading (grade 1) courses focus on reading skills and may emphasize recognition of and response to various types of text; extension of vocabulary; and the connection of language to the expression of ideas. Specific content depends upon state standards for grade 1. (Available SY 2012-2023.)

### **01041A000 Reading (grade 1)**

Reading (grade 1) courses focus on reading skills and may emphasize recognition of and response to various types of text; extension of vocabulary; and the connection of language to the expression of ideas. Specific content depends upon state standards for grade 1. (Available SY 2024-.)

### **01042A000 Reading (grade 2)**

Reading (grade 2) courses focus on reading skills and may build students' skills in independent reading by increasing reading fluency, vocabulary, and recognition of word and language patterns. Specific content depends upon state standards for grade 2. (Available SY 2024-.)

### **51042A000 Reading (grade 2)**

Reading (grade 2) courses focus on reading skills and may build students' skills in independent reading by increasing reading fluency, vocabulary, and recognition of word and language patterns. Specific content depends upon state standards for grade 2. (Available SY 2012-2023.)

### **51043A000 Reading (grade 3)**

Reading (grade 3) courses focus on reading skills and may emphasize independent reading in a variety of assignments. Some emphasis may also be placed on presentation skills. Specific content depends upon state standards for grade 3. (Available SY 2012-2023.)

**01043A000 Reading (grade 3)**

Reading (grade 3) courses focus on reading skills and may emphasize independent reading in a variety of assignments. Some emphasis may also be placed on presentation skills. Specific content depends upon state standards for grade 3. (Available SY 2024-.)

**01044A000 Reading (grade 4)**

Reading (grade 4) courses focus on reading skills and may emphasize independent reading in a variety of assignments and require students to respond to different material in different ways. Specific content depends upon state standards for grade 4. (Available SY 2024-.)

**51044A000 Reading (grade 4)**

Reading (grade 4) courses focus on reading skills and may emphasize independent reading in a variety of assignments and require students to respond to different material in different ways. Specific content depends upon state standards for grade 4. (Available SY 2012-2023.)

**51045A000 Reading (grade 5)**

Reading (grade 5) courses focus on reading skills and may extend students' skills in distinguishing meaning and literary functions in texts, and fluency in reading. Specific content depends upon state standards for grade 5. (Available SY 2012-2023.)

**01045A000 Reading (grade 5)**

Reading (grade 5) courses focus on reading skills and may extend students' skills in distinguishing meaning and literary functions in texts, and fluency in reading. Specific content depends upon state standards for grade 5. (Available SY 2024-.)

**01046A000 Reading (grade 6)**

Reading (grade 6) courses build upon students' prior knowledge and skill in reading and may emphasize the use of language for different effects, in different contexts, and for different purposes. Specific content depends upon state standards for grade 6. (Available SY 2024-.)

**51046A000 Reading (grade 6)**

Reading (grade 6) courses build upon students' prior knowledge and skill in reading and may emphasize the use of language for different effects, in different contexts, and for different purposes. Specific content depends upon state standards for grade 6. (Available SY 2012-2023.)

**51047A000 Reading (grade 7)**

Reading (grade 7) courses build upon students' prior knowledge and skill in reading and may emphasize the use of language for different effects, in different contexts, and for different purposes. Specific content depends upon state standards for grade 7. (Available SY 2012-2023.)

**01047A000 Reading (grade 7)**

Reading (grade 7) courses build upon students' prior knowledge and skill in reading and may emphasize the use of language for different effects, in different contexts, and for different purposes. Specific content depends upon state standards for grade 7. (Available SY 2024-.)

**01048A000 Reading (grade 8)**

Reading (grade 8) courses build upon students' prior knowledge and skill in reading. Typically, these courses use various genres of literature to improve reading skills, and link exercises for different purposes to those reading selections. Specific content depends upon state standards for grade 8. (Available SY 2024-.)

**51048A000 Reading (grade 8)**

Reading (grade 8) courses build upon students' prior knowledge and skill in reading. Typically, these courses use various genres of literature to improve reading skills, and link exercises for different purposes to those reading selections. Specific content depends upon state standards for grade 8. (Available SY 2012-2023.)

**01040A000 Reading (kindergarten)**

Reading (kindergarten) courses engage students in activities to develop their reading skills. Course content may emphasize storytelling or reading aloud and evoking a written, oral, or pictorial response. Specific content depends upon state standards for kindergarten. (Available SY 2024-.)

### **51040A000 Reading (kindergarten)**

Reading (kindergarten) courses engage students in activities to develop their reading skills. Course content may emphasize storytelling or reading aloud and evoking a written, oral, or pictorial response. Specific content depends upon state standards for kindergarten. (Available SY 2012-2023.)

### **51039A000 Reading (pre-kindergarten)**

Reading (pre-kindergarten) courses develop students' readiness for language arts, particularly focusing on reading skills. Courses may include activities related to phonics, phonemic awareness, and vocabulary. Content is age-appropriate and conforms to any existing state standards for pre-kindergarten education. (Available SY 2012-2023.)

### **01039A000 Reading (pre-kindergarten)**

Reading (pre-kindergarten) courses develop students' readiness for language arts, particularly focusing on reading skills. Courses may include activities related to phonics, phonemic awareness, and vocabulary. Content is age-appropriate and conforms to any existing state standards for pre-kindergarten education. (Available SY 2024-.)

### **01038A000 Reading (early childhood education)**

Reading (early childhood education) courses develop students' readiness for language arts, particularly focusing on reading skills. Courses may include activities related to phonics, phonemic awareness, and vocabulary. Content is age-appropriate and conforms to any existing state standards for early childhood education. (Available SY 2024-.)

### **51038A000 Reading (early childhood education)**

Reading (early childhood education) courses develop students' readiness for language arts, particularly focusing on reading skills. Courses may include activities related to phonics, phonemic awareness, and vocabulary. Content is age-appropriate and conforms to any existing state standards for early childhood education. (Available SY 2012-2023.)

### **51049A000 Reading—General**

Reading—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ

grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Reading, early childhood education through grade 8.) (Available SY 2012-2023.)

### **01049A000 Reading—General**

Reading—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Reading, early childhood education through grade 8.) (Available SY 2024-.)

### **01105A000 Research/Technical Writing**

Research/Technical Writing classes prepare students to write research papers and/or technical reports. These classes emphasize researching (primary and secondary sources), organizing (material, thoughts, and arguments), and writing in a persuasive or technical style. (Available SY 2011-.)

### **51197A000 Speech – Independent Study**

Speech--Independent Study courses, often conducted with instructors as mentors, allow students to explore particular topics within the field of language arts (emphasizing speech). Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **51199A000 Speech – Other**

(Available SY 2012-2023.)

### **01197A000 Speech—Independent Study**

Speech—Independent Study courses, often conducted with instructors as mentors, allow students to explore particular topics within the field of language arts (emphasizing speech). Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **01199A000 Speech—Other**

Other Speech courses. (Available SY 2011-.)

### **01198A000 Speech—Workplace Experience**

Speech—Workplace Experience courses provide work experience in a field related to public speaking and speech. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **01066A000 Strategic Reading**

Strategic Reading courses are intended to improve a student's vocabulary, critical-thinking and analysis skills, or reading rate and comprehension level. Although these courses typically emphasize works of fiction, they may also include works of nonfiction (including textbooks). Strategic Reading courses often have a time-management focus, offering strategies for note-taking or for understanding and evaluating the important points of a text. (Available SY 2011-.)

### **51066A000 Strategic Reading (prior-to-secondary)**

Strategic Reading courses are intended to improve a student's vocabulary, critical-thinking and analysis skills, or reading rate and comprehension level. Although these courses typically emphasize works of fiction, they may also include works of nonfiction (including textbooks). Strategic Reading courses often have a time-management focus, offering strategies for note taking or for understanding and evaluating the important points of a text. (Available SY 2012-2023.)

### **01004A001 Transitional English**

Transitional English course design and instruction builds on students' previous experiential and academic knowledge to further develop and refine skills in reading, critical thinking and analysis, and writing to enhance students' transition to post-secondary coursework. This course focuses on integration of the content competencies, which are aligned to the learning standards, in the areas of reading, critical thinking and analysis, and writing. The course and instructional delivery methods must fully integrate across these three competency areas and avoid teaching the reading and writing competencies in an isolated, subskills fashion. The course pedagogy and related text selections must be organized around themes, critical issues, or concepts directing student focus to larger ideas that foster critical thinking, reading, and writing skills while also cultivating students' meta-cognitive and essential employability skills. The course can be used as a fourth-year



Language Arts class to meet State and local high school graduation requirements. (Available SY 2022-.)

### **01058A000 World Literature**

World Literature courses use representative literature selections from ancient and/or modern times from countries around the world. Students improve their critical-thinking skills as they comprehend the diversity of literary traditions and the influences of those traditions. Oral discussion is an integral part of literature courses, and written compositions are often required. (Available SY 2011-.)

### **01128A000 Writing (early childhood education)**

Writing (early childhood education) courses develop students' readiness for language arts, particularly focusing on writing. Content is age appropriate and conforms to any existing state standards for early childhood education. (Available SY 2024-.)

### **51128A000 Writing (early childhood education)**

Writing (early childhood education) courses develop students' readiness for language arts, particularly focusing on writing. Content is age appropriate and conforms to any existing state standards for early childhood education. (Available SY 2012-2023.)

### **51131A000 Writing (grade 1)**

Writing (grade 1) courses focus on writing skills and may emphasize recognition and creation of various types of text; extension of vocabulary and writing skills; and the connection of language to the expression of ideas. Specific content depends upon state standards for grade 1. (Available SY 2012-2023.)

### **01131A000 Writing (grade 1)**

Writing (grade 1) courses focus on writing skills and may emphasize recognition and creation of various types of text; extension of vocabulary and writing skills; and the connection of language to the expression of ideas. Specific content depends upon state standards for grade 1. (Available SY 2024-.)

**01132A000 Writing (grade 2)**

Writing (grade 2) courses focus on writing skills and may build students' skills in independent writing by increasing writing fluency, vocabulary, and recognition of word and language patterns. They may also introduce or reinforce the rules of grammar and spelling. Specific content depends upon state standards for grade 2. (Available SY 2024-.)

**51132A000 Writing (grade 2)**

Writing (grade 2) courses focus on writing skills and may build students' skills in independent writing by increasing writing fluency, vocabulary, and recognition of word and language patterns. They may also introduce or reinforce the rules of grammar and spelling. Specific content depends upon state standards for grade 2. (Available SY 2012-2023.)

**51133A000 Writing (grade 3)**

Writing (grade 3) courses focus on writing skills and may emphasize independent writing in a variety of assignments. Some emphasis may also be placed on presentation skills. Specific content depends upon state standards for grade 3. (Available SY 2012-2023.)

**01133A000 Writing (grade 3)**

Writing (grade 3) courses focus on writing skills and may emphasize independent writing in a variety of assignments. Some emphasis may also be placed on presentation skills. Specific content depends upon state standards for grade 3. (Available SY 2024-.)

**01134A000 Writing (grade 4)**

Writing (grade 4) courses focus on writing skills and may emphasize independent writing in a variety of assignments and require students to respond to different materials in different ways. Grammar and usage of the English language may also be emphasized. Specific content depends upon state standards for grade 4. (Available SY 2024-.)

**51134A000 Writing (grade 4)**

Writing (grade 4) courses focus on writing skills and may emphasize independent writing in a variety of assignments and require students to respond to different materials in different ways. Grammar and usage of the English language may also be emphasized. Specific content depends upon state standards for grade 4. (Available SY 2012-2023.)

**51135A000 Writing (grade 5)**

Writing (grade 5) courses focus on writing skills and may extend students' skills in writing for particular purposes or audiences, distinguishing meaning and literary functions in texts, and fluency in writing. Specific content depends upon state standards for grade 5. (Available SY 2012-2023.)

**01135A000 Writing (grade 5)**

Writing (grade 5) courses focus on writing skills and may extend students' skills in writing for particular purposes or audiences, distinguishing meaning and literary functions in texts, and fluency in writing. Specific content depends upon state standards for grade 5. (Available SY 2024-.)

**01136A000 Writing (grade 6)**

Writing (grade 6) courses build upon students' prior knowledge and skill in writing and may emphasize the use of language for different effects, in different contexts, and for different purposes. Specific content depends upon state standards for grade 6. (Available SY 2024-.)

**51136A000 Writing (grade 6)**

Writing (grade 6) courses build upon students' prior knowledge and skill in writing and may emphasize the use of language for different effects, in different contexts, and for different purposes. Specific content depends upon state standards for grade 6. (Available SY 2012-2023.)

**51137A000 Writing (grade 7)**

Writing (grade 7) courses build upon students' prior knowledge and skill in writing and may emphasize the use of language for different effects and to construct meaning and connections. Specific content depends upon state standards for grade 7. (Available SY 2012-2023.)

**01137A000 Writing (grade 7)**

Writing (grade 7) courses build upon students' prior knowledge and skill in writing and may emphasize the use of language for different effects and to construct meaning and connections. Specific content depends upon state standards for grade 7. (Available SY 2024-.)

**01138A000 Writing (grade 8)**

Writing (grade 8) courses build upon students' prior knowledge and skill in writing. Typically, these courses use writing exercises to expand students' understanding of the different purposes of written communication. Specific content depends upon state standards for grade 8. (Available SY 2024-.)

**51138A000 Writing (grade 8)**

Writing (grade 8) courses build upon students' prior knowledge and skill in writing. Typically, these courses use writing exercises to expand students' understanding of the different purposes of written communication. Specific content depends upon state standards for grade 8. (Available SY 2012-2023.)

**01130A000 Writing (kindergarten)**

Writing (kindergarten) courses engage students in activities to develop their writing skills. Course content may emphasize storytelling or personal expression. Specific content depends upon state standards for kindergarten. (Available SY 2024-.)

**51130A000 Writing (kindergarten)**

Writing (kindergarten) courses engage students in activities to develop their writing skills. Course content may emphasize storytelling or personal expression. Specific content depends upon state standards for kindergarten. (Available SY 2012-2023.)

**51129A000 Writing (pre-kindergarten)**

Writing (pre-kindergarten) courses develop students' readiness for language arts, particularly focusing on writing. Content is age appropriate and conforms to any existing state standards for pre-kindergarten education. (Available SY 2012-2023.)

**01129A000 Writing (pre-kindergarten)**

Writing (pre-kindergarten) courses develop students' readiness for language arts, particularly focusing on writing. Content is age appropriate and conforms to any existing state standards for pre- kindergarten education. (Available SY 2024-.)

**51139A000 Writing—General**

Writing—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., “by third grade, students should know and be able to do...”). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Writing, early childhood education through grade 8).] (Available SY 2012-2023.)

**01139A000 Writing—General**

Writing—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., “by third grade, students should know and be able to do...”). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Writing, early childhood education through grade 8).] (Available SY 2024-.)

## 02 Mathematics

### 02113A000 Abstract Algebra

Abstract Algebra courses include a study of the properties of the number system from an abstract perspective, including such topics as number fields (i.e., rational, real, and complex numbers), integral domains, rings, groups, polynomials, and the fundamental theorem of algebra. Abstract Algebra is typically geared towards students who have attained pre-calculus objectives. (Available SY 2011-.)

### 52069A000 Algebra – Other (Use 02069A000 if placed on high school transcript)

(Available SY 2012-2023.)

### 02052A000 Algebra I

Algebra I courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first-degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; solving quadratic equations; and modeling linear data. Specific content depends upon state standards. (Available SY 2011-.)

### 52052A000 Algebra I (Use 02052A000 if placed on high school transcript)

Algebra I courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first-degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations. (Available SY 2012-2023.)

### 02053A000 Algebra I—Part 1

The first part in a multipart sequence of Algebra I. This course generally covers the same topics as the first semester of Algebra I, including the study of properties of rational numbers (i.e., number theory), ratio, proportion, and estimation, exponents and radicals, the rectangular coordinate

system, sets and logic, formulas, and solving first-degree equations and inequalities. Specific content depends upon state standards. (Available SY 2011-.)

### **02054A000 Algebra I—Part 2**

The second part in a multipart sequence of Algebra I. This course generally covers the same topics as the second semester of Algebra I, including the study of properties of the real number system and operations, evaluating rational algebraic expressions, solving and graphing first-degree equations and inequalities, translating word problems into equations, operations with and factoring of polynomials, and solving quadratics. Specific content depends upon state standards. (Available SY 2011-.)

### **02056A000 Algebra II**

Algebra II course topics typically include developing an understanding of the relationships between the symbolic, graphic, tabular and verbal representations of functions; utilizing the various representations to interpret function behavior and solve equations; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher-degree equations; exponential functions; inverse functions; statistical modeling; modeling linear and quadratic data; and operations with rational and irrational exponents. (Available SY 2011-.)

### **02057A000 Algebra III**

Algebra III courses review and extend algebraic concepts for students who have already taken Algebra II. Course topics include (but are not limited to) applying an understanding of the relationships between the symbolic, graphic, tabular and verbal representations of functions to additional families of functions; utilizing the various representations to interpret function behavior, solve equations and understand compositions of functions; operations with rational and irrational expressions, factoring of rational expressions, linear equations and inequalities, quadratic equations, solving systems of linear and quadratic equations, properties of higher-degree equations, and operations with rational and irrational exponents. The courses may introduce topics in discrete mathematics, elementary probability and statistics; matrices and determinants; logarithmic and exponential functions; inverse functions; step functions; piecewise defined functions; statistical modeling; creating functions to model apparent trends in data; modeling linear, quadratic and exponential data; and sequences and series. (Available SY 2011-.)

### **02069A000 Algebra—Other**

Other Algebra courses. (Available SY 2011-.)

**02073A000 Analytic Geometry**

Analytic Geometry courses include the study of the nature and intersection of lines and planes in space, including vectors, the polar coordinate system, equations and graphs of conic sections, rotations and transformations, and parametric equations. (Available SY 2011-.)

**52073A000 Analytic Geometry (Use 02073A000 if placed on high school transcript)**

Analytic Geometry courses include the study of the nature and intersection of lines and planes in space, including vectors, the polar coordinate system, equations and graphs of conic sections, rotations and transformations, and parametric equations. (Available SY 2012-2023.)

**02149A000 Analytic Mathematics—Other**

Other Analytic Mathematics courses. (Available SY 2011-.)

**02124A000 AP Calculus AB**

**AP Course**

Following the College Board’s suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: functions, graphs, limits, and continuity; differential calculus (including definition, application, and computation of the derivative; derivative at a point; derivative as a function; and second derivatives); and integral calculus (including definite integrals and antidifferentiation). (Available SY 2011-.)

**02125A000 AP Calculus BC**

**AP Course**

Following the College Board’s suggested curriculum designed to parallel college-level calculus courses, AP Calculus BC courses provide students with an understanding of the concepts of calculus and experience with its methods and applications. These courses cover all of the calculus topics in AP Calculus AB as well as the following topics: parametric, polar, and vector functions; applications of integrals; and polynomial approximations and series, including series of constants and Taylor series. See SCED Code 02124 for more details. (Available SY 2011-.)



**02114A000 AP Precalculus****AP Course**

Following the College Board's suggested curriculum designed to parallel college-level precalculus courses, AP Precalculus courses introduce students to mathematical modeling and functions that serve as a foundation for calculus and other college-level mathematics needed for a variety of STEM majors and careers. Topics typically include polynomial & rational functions, exponential and logarithmic functions, trigonometric & polar functions, and functions involving parameters, vectors, and matrices. (Available SY 2023-.)

**02203A000 AP Statistics****AP Course**

Following the College Board's suggested curriculum designed to parallel college-level statistics courses, AP Statistics courses introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. (Available SY 2011-.)

**02154A001 Business Math****CTE Course**

Business Mathematics courses provide students with mathematical competencies in business applications and intended for those studying business, finance, or other related business careers. Topics include mathematical competencies such as arithmetic, measurement, statistics, ratio and proportion, exponents, formulas, and equations that are applied to business problems and situations. Applications might include wages, hourly rates, payroll deductions, sales, margins, receipts, accounts payable and receivable, financial reports, discounts, interest, business analysis and decision making, and debt decisions and implications. (Available SY 2023-.)

**02154A000 Business Mathematics**

Business Mathematics courses reinforce general mathematics skills, emphasize speed and accuracy in computations, and use these skills in a variety of business applications. While these courses prepare students for a variety of business applications, they are not intended to serve as remedial mathematics courses. Business Mathematics courses reinforce general mathematics topics (e.g., arithmetic, measurement, statistics, ratio and proportion, exponents, formulas, and simple equations) by applying these skills to business problems and situations. Applications might include wages, hourly rates, payroll deductions, sales, receipts, accounts payable and receivable, financial reports, discounts, and interest. (Available SY 2011-.)

### **02155A000 Business Mathematics with Algebra**

Business Math with Algebra courses teach and have students apply algebra concepts to a variety of business and financial situations. Applications usually include income, insurance, credit, banking, taxation, stocks and bonds, and finance. (Available SY 2011-.)

### **02121A000 Calculus**

Calculus courses include the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis). (Available SY 2011-.)

### **02138A000 College Mathematics Preparation**

College Mathematics Preparations courses solidify quantitative literacy through the use and extension of algebraic, geometric, and statistical concepts. These courses prepare students for postsecondary liberal studies mathematics coursework; they are not intended to serve as remedial mathematics courses. Course content typically includes algebraic operations, solutions of equations and inequalities, number sets, coordinate geometry, functions and graphs, probability and statistics, and data representation. (Available SY 2021-.)

### **52047A000 Comprehensive Math – Independent Study**

Foundation Math-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to foundational mathematics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **52049A000 Comprehensive Math – Other**

(Available SY 2012-2023.)

### **02156A000 Computer Mathematics with Algebra**

Intended for students who have attained the objectives of Algebra I, Computer Math—Algebra I level courses include a study of computer systems and programming, and use the computer to solve math problems. (Available SY 2011-.)

### **52157A000 Consumer Math**

Consumer Math courses reinforce general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment. (Available SY 2012-2023.)

### **02157A000 Consumer Mathematics**

Consumer Mathematics courses reinforce general mathematics topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply these skills to consumer problems and situations. While these courses prepare students for a variety of practical applications, they are not intended to serve as remedial mathematics courses. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment. (Available SY 2011-.)

### **02123A000 Differential Calculus**

Differential Calculus courses include the study of elementary differential equations including first- and higher-order differential equations, partial differential equations, linear equations, systems of linear equations, transformations, series solutions, numerical methods, boundary value problems, and existence theorems. (Available SY 2011-.)

### **02102A000 Discrete Mathematics**

Discrete Mathematics courses include the study of topics such as number theory, discrete probability, set theory, symbolic logic, Boolean algebra, combinatorics, recursion, basic algebraic structures and graph theory. (Available SY 2011-.)

### **02109A000 Elementary Functions**

Elementary Functions courses, while preparing students for eventual work in calculus, include the study of relations and functions, including polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their inverses, graphs, and applications. (Available SY 2011-.)

### **02136A000 Finite Mathematics**

Finite Mathematics acquaints students with a variety of noncalculus mathematical topics including linear functions and programming, methods to solve linear and quadratic equations and inequalities, matrices, set theory, counting techniques, and basic concepts of probability and statistics (including measures of central tendency and variation). (Available SY 2021-.)

### **02047A000 Foundation Mathematics—Independent Study**

Foundation Mathematics—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to foundation mathematics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **02049A000 Foundation Mathematics—Other**

Other Foundation Mathematics courses. (Available SY 2011-.)

### **02151A000 General Applied Math**

General Applied Mathematics courses reinforce general mathematics skills; extend these skills to include some pre-algebra and algebra topics; and use these skills in a variety of practical, consumer, business, and occupational applications. While these courses prepare students for a variety of practical applications, they are not intended to serve as remedial mathematics courses. Course topics typically include rational numbers, measurement, basic statistics, ratio and proportion, basic geometry, formulas, and simple equations. (Available SY 2011-.)

### **52002A000 General Math**

General Math courses reinforce and expand students' foundational math skills, such as arithmetic operations using rational numbers; area, perimeter, and volume of geometric figures; congruence and similarity; angle relationships; the Pythagorean theorem; the rectangular coordinate system; sets and logic; ratio and proportion; estimation; formulas; and solving and graphing simple equations and inequalities. (Available SY 2012-2023.)

### **02002A000 General Mathematics**

General Math courses reinforce and expand students' foundational math skills, such as arithmetic operations using rational numbers; area, perimeter, and volume of geometric figures, congruence

and similarity, angle relationships, the Pythagorean theorem, the rectangular coordinate system, sets and logic, ratio and proportion, estimation, formulas, solving and graphing simple equations and inequalities. (Available SY 2011-.)

### **02072A000 Geometry**

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles, quadrilaterals, vertical angles, lines intersected by a transversal, etc. (Available SY 2011-.)

### **52072A000 Geometry (Use 02072A000 if placed on high school transcript)**

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles. (Available SY 2012-2023.)

### **52079A000 Geometry – Other (Use 02079A000 if placed on high school transcript)**

(Available SY 2012-2023.)

### **02079A000 Geometry—Other**

Other Geometry courses. (Available SY 2011-.)

### **02301A000 High School Math 1**

Math 1 involves the study of linear and exponential functions (with domains in the integers), including application and interpretation of statistics and real-world situations. Students reason about functions and the number and nature of solutions to equations, systems of equations, inequalities and systems of inequalities. Students define congruence using transformational geometry. Students apply transformations to linear, exponential, piece-wise, absolute value, square root and cube root functions. They explore these function types represented algebraically, graphically, numerically in tables, and by verbal descriptions. (Available SY 2014-2020.)

### **02302A000 High School Math 2**

Math 2 involves the study of quadratic and exponential functions represented algebraically, graphically, numerically in tables and by verbal descriptions. Students write equivalent radical, rational and quadratic expressions to reveal information using properties of exponents, completing the square, and/or factoring. Students define similarity using transformational geometry and use this definition to prove geometric theorems. Students learn and apply trigonometric ratios, the Pythagorean Theorem and the relationship between sine and cosine to solve problems. Students recognize, calculate and use conditional probability and independence. (Available SY 2014-2020.)

### **02303A000 High School Math 3**

Math 3 involves the study of polynomial, rational, logarithmic and trigonometric functions represented algebraically, graphically, numerically in tables and by verbal descriptions. Students write equivalent polynomial, rational, trigonometric and logarithmic expressions to reveal information and key features. Students make geometric constructions and apply geometric concepts and trigonometric ratios to describe, model and solve problems. Students distinguish among sample surveys, experiments and observational studies to determine and interpret data. (Available SY 2014-2020.)

### **02201A001 High School Transitional Math 4 – Quantitive Literacy and Statistics**

Math course framework designed to prepare and transition students directly into college and career pathways requiring general education college level math competencies in quantitative literacy and statistics. The competencies within each domain should include, but are not limited to: numeracy (operation sense, estimation, measurement, quantitative reasoning, basic statistics, and mathematical summaries), application based algebraic topics, and functions and modeling. Upon completion students should be able to: demonstrate proficiency and understanding in basic numeracy competencies in whole numbers, integers, fractions, and decimals, use estimation and explain/justify estimates, apply quantitative reasoning to solve problems involving quantities or rates, use mathematical summaries of data such as mean, median, and mode, use and apply algebraic reasoning as one of multiple problem-solving tools, and use functions and modeling processes. Course to be delivered through authentic application, problem based instruction designed to build mathematical conceptual understanding and critical thinking skills. (Available SY 2019-.)

### **02055A001 High School Transitional Math 4 – STEM**

Math course framework built around essential algebraic competencies designed to prepare students for college and career pathways in areas such as: Science, Technology, Engineering, and Math or STEM which require advanced algebraic skills or calculus. Course design will enable

students to transition directly into credit bearing college-level algebra courses. Students will engage in deepening conceptual understanding using algebra and mathematical applications of algebra and functions and how functions naturally arise using authentic modeling situations. The function families (linear, polynomial, rational, radical, exponential) will be emphasized. Additionally, the course shall emphasize the eight mathematical practices, particularly modeling within the setting of authentic and contextualized applications, and upon completion, the student should be able to: demonstrate and justify both orally and in writing conceptual understanding of functions combined with advanced algebraic knowledge to solve complex, contextualized, multi-step problems in authentic settings. (Available SY 2019-.)

### **02153A001 High School Transitional Math 4 – Technical Math**

Math course framework intended and designed specifically to transition students to post-secondary technical pathways or careers. Course work should align directly with the post-secondary technical math or career pathway. The course should encompass, but is not limited to number sense and number systems, geometry, and basic algebra delivered through authentic, contextualized, problem based learning environments not limited to stand alone courses, but may be incorporated into existing career and technical education (CTE) courses. (Available SY 2019-.)

### **02991A000 History of Math**

History of Mathematics courses include a study of the historical development of numbers, computation, algebra, and geometry. Figures critical to the development of mathematics or important developments (e.g., pi, decimal fractions, probability theory, calculus) often form the backbone of these classes. (Available SY 2011-.)

### **52991A000 History of Math (prior-to-secondary)**

History of Math courses include a study of the historical development of numbers, computation, algebra, and geometry. Figures critical to the development of mathematics (e.g., Pythagoras, Pascal, and Descartes) or important developments (e.g., pi, decimal fractions, probability theory, and calculus) often form the backbone of these classes. (Available SY 2012-2023.)

### **02134A000 IB Further Mathematics**

### **IB Course**

IB Further Mathematics courses prepare students to take the International Baccalaureate Further Mathematics exam. Designed to advance students' knowledge of IB Mathematics, course topics include linear algebra; geometry; statistics and probability; sets, relations and groups; calculus; and discrete mathematics. (Available SY 2011-2023.)

**02131A000 IB Mathematical Studies****IB Course**

IB Mathematical Studies courses prepare students to take the International Baccalaureate Mathematical Studies exam at the Subsidiary or Higher level. Intended to provide students with the skills to cope with the mathematical demands of a technological society, course topics include linear, quadratic, and exponential functions, solutions, and graphs; skills in computation, estimation, and development of algorithms; data analysis, including collection, calculation, and presentation of statistics; set operations and logic; business techniques, including progressions and linear programming; and geometry and trigonometry. (Available SY 2011-2023.)

**02132A000 IB Mathematics****IB Course**

IB Mathematics courses prepare students to take the International Baccalaureate Mathematics exams at the Subsidiary or Higher level. Topics include operations and properties of number sets; trigonometric functions, equations, and graphs; algebra and coordinate geometry; simultaneous linear equations; polynomial and quadratic functions and equations; calculus, including bilinear, exponential and logarithmic functions; two dimensional vectors and matrices; and probability. (Available SY 2011-2023.)

**02133A000 IB Mathematics and Computing—SL****IB Course**

IB Mathematics and Computing—SL courses prepare students to take the International Baccalaureate Mathematics and Computing exam at the Subsidiary level. Designed to give students a working knowledge of a high level programming language and sound mathematical training, course topics include operations and properties of number sets; trigonometric functions, equations, and graphs; algebra and coordinate geometry, including simultaneous linear equations, binomial theorem, and polynomial and quadratic functions and equations; calculus; vectors and matrices; and numerical analysis. The courses also contain components on computer problem solving and programming; topics regarding computer hardware, software, modes of operation, and data types and structures. (Available SY 2011-2020.)

**02135A000 IB Mathematics, Middle Years Program****IB Course**

International Baccalaureate (IB) Mathematics, Middle Years Program courses are built on a framework of five branches of mathematics: number, algebra, geometry and trigonometry, statistics and probability, and discrete mathematics. The program encourages students to develop an understanding of mathematical reasoning and processes, the ability to apply mathematics and evaluate the significance of results, the ability to develop strategies for problems in which solutions are not obvious, and the acquisition of mathematical intuition. (Available SY 2012-.)



**02140A000 IB MATHEMATICS: ANALYSIS AND APPROACHES****IB Course**

Analysis and Approaches courses prepare students to take the International Baccalaureate Mathematics: Analysis and Approaches exams. These courses prepare students to use analytical concepts within mathematics to solve abstract problems in a variety of contexts. These concepts are applied to course topics such as numbers and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. (Available SY 2023-.)

**02139A000 IB MATHEMATICS: APPLICATIONS AND INTERPRETATION****IB Course**

Applications and Interpretation courses prepare students to take the International Baccalaureate Mathematics: Applications and Interpretation exams. Intended to provide students with an understanding of the role of mathematics in an increasing technological world, these courses focus on mathematical concepts used as applications and in mathematical modeling. Course topics include numbers and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. (Available SY 2023-.)

**02202A000 Inferential Probability and Statistics**

Probability and Statistics courses focus on descriptive statistics, with an introduction to inferential statistics. Topics typically include event probability, normal probability distribution, collection and description of data, frequency tables and graphs, measures of central tendency and variability, random variables, and random sampling. Course topics may also include covariance and correlation, central limit theorem, confidence intervals, and hypothesis testing. (Available SY 2011-.)

**02071A000 Informal Geometry**

Informal Geometry courses emphasize a practical approach to the study of geometry and deemphasize an abstract, formal approach. Topics typically include properties of and work with plane and solid figures; inductive methods of reasoning and use of logic; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles, quadrilaterals, vertical angles, lines intersected by a transversal, etc. (Available SY 2011-.)

**52071A000 Informal Geometry (Use 02071A000 if placed on high school transcript)**

Informal Geometry courses emphasize a practical approach to the study of geometry and de-emphasize an abstract, formal approach. Topics typically include properties of and work with plane and solid figures; inductive methods of reasoning and use of logic; concepts of congruence,

similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles. (Available SY 2012-2023.)

### **02001A000 Informal Mathematics**

Informal Mathematics courses emphasize the teaching of mathematics as problem solving, communication, and reasoning, and highlight the connections among mathematical topics and between mathematics and other disciplines. These courses approach the teaching of general mathematics, pre-algebra, and pre-geometry topics by applying numbers, and algebraic and geometric concepts and relationships to real world problems. (Available SY 2011-.)

### **52001A000 Informal Mathematics (prior-to-secondary)**

Informal Mathematics courses emphasize the teaching of mathematics as problem solving, communication, and reasoning, and highlight the connections among mathematical topics and between mathematics and other disciplines. These courses approach the teaching of general math, pre-algebra, and pre-geometry topics by applying numbers, and algebraic and geometric concepts and relationships to real- world problems. (Available SY 2012-2023.)

### **02061A000 Integrated Math—multi-year equivalent**

Integrated Math courses emphasize the teaching of mathematics as problem solving, communication, and reasoning, and emphasize the connections among mathematical topics and between mathematics and other disciplines. The multi-period sequence of Integrated Math replaces the traditional Algebra I, Geometry, Algebra II sequence of courses, and usually covers the following topics during a three- or four-year sequence: algebra, functions, geometry from both a synthetic and an algebraic perspective, trigonometry, statistics and probability, discrete mathematics, the conceptual underpinnings of calculus, and mathematical structure. (Available SY 2011-2020.)

### **02062A000 Integrated Mathematics I**

Integrated Mathematics I courses emphasize proficiency in skills involving numbers and operations, algebra, geometry, statistics, mathematical modeling, and probability. These courses are offered as the first course in a 3- or 4-year sequence of college-preparatory mathematics courses that replace traditional Algebra 1, Geometry, and Algebra 2 courses. (Available SY 2021-.)

### **52061A000 Integrated Mathematics I (prior-to-secondary)**

Integrated Mathematics I courses emphasize proficiency in skills involving numbers and operations, algebra, geometry, statistics, and probability. These courses are offered as the first course in a 3- or 4-year sequence of college-preparatory mathematics courses that replace traditional Algebra 1, Geometry, and Algebra 2 courses. (Available SY 2012-2023.)

### **02063A000 Integrated Mathematics II**

Integrated Mathematics II courses emphasize proficiency in skills involving numbers and operations, algebra, geometry, statistics, mathematical modeling, and probability. These courses are offered as the second course in a 3- or 4-year sequence of college-preparatory mathematics courses that replace traditional Algebra 1, Geometry, and Algebra 2 courses. (Available SY 2021-.)

### **02064A000 Integrated Mathematics III**

Integrated Mathematics III courses emphasize proficiency in skills involving numbers and operations, algebra, geometry, statistics, mathematical modeling, and probability. These courses are offered as the third course in a 3- or 4-year sequence of college-preparatory mathematics courses that replace traditional Algebra 1, Geometry, and Algebra 2 courses. (Available SY 2021-.)

### **02065A000 Integrated Mathematics IV**

Integrated Mathematics IV courses emphasize proficiency in skills involving numbers and operations, algebra, geometry, statistics, mathematical modeling, and probability. These courses are offered as the fourth course in a 4-year sequence of college-preparatory mathematics courses that replace traditional Algebra 1, Geometry, and Algebra 2 courses. (Available SY 2021-.)

### **02111A000 Linear Algebra**

Linear Algebra courses include a study of matrices, vectors, tensors, and linear transformations and are typically intended for students who have attained pre-calculus objectives. (Available SY 2011-.)

### **02112A000 Linear Programming**

Linear Programming courses include a study of mathematical modeling and the simplex method to solve linear inequalities and are typically intended for students who have attained pre-calculus objectives. (Available SY 2011-.)

### **02104A000 Math Analysis**

Math Analysis courses include the study of polynomial, logarithmic, exponential, and rational functions and their graphs; vectors; set theory; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity. They may also include some study of trigonometry and/or pre-calculus topics. (Available SY 2011-.)

### **02108A000 Mathematic Analysis/Analytic Geometry**

Covering topics from both Math Analysis and Analytic Geometry, these courses prepare students for eventual work in calculus. Topics include the study of polynomial, logarithmic, exponential, and rational functions and their graphs; vectors; set theory; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity; the polar coordinate system; equations and graphs of conic sections; rotations and transformations; and parametric equations. (Available SY 2011-.)

### **02137A000 Mathematical Modeling**

Mathematical Modeling courses build upon students' knowledge of algebra and geometry to analyze information and make sense of data using statistical methods and probability, simulate change using mathematical relationships and spatial and geometric modeling, and critically assess and make decisions or solve problems based on quantitative data and logical reasoning. (Available SY 2021-.)

### **52028A000 Mathematics (early childhood education)**

Mathematics (early childhood education) courses cover foundational skills and concepts related to mathematics. Content is age appropriate and conforms to any existing state standards for early childhood education. (Available SY 2012-2023.)

### **02028A000 Mathematics (early childhood education)**

Mathematics (early childhood education) courses cover foundational skills and concepts related to mathematics. Content is age appropriate and conforms to any existing state standards for early childhood education. (Available SY 2024-.)

### **02031A000 Mathematics (grade 1)**

Mathematics (grade 1) courses typically help build a conceptual foundation in number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; time and non-standard length units. These courses often require students to develop their numerical fluency and to make calculation predictions. Specific content depends upon state standards for grade 1. (Available SY 2024-.)

### **52031A000 Mathematics (grade 1)**

Mathematics (grade 1) courses typically help build a conceptual foundation in number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; and measurement. These courses often require students to develop their numerical fluency and to make calculation predictions. Specific content depends upon state standards for grade 1. (Available SY 2012-2023.)

### **52032A000 Mathematics (grade 2)**

Mathematics (grade 2) courses typically continue to build a conceptual foundation in number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; and measurement. These courses often require students to develop their numerical fluency, particularly in addition and subtraction, and to solve problems using those operations as well as estimation. Specific content depends upon state standards for grade 2. (Available SY 2012-2023.)

### **02032A000 Mathematics (grade 2)**

Mathematics (grade 2) courses typically continue to build a conceptual foundation in number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; and measurement. Students begin to incorporate the context of time and money. These courses often require students to develop their numerical fluency, particularly in addition and subtraction, and to solve problems using those operations as well as estimation. Specific content depends upon state standards for grade 2. (Available SY 2024-.)

### **02033A000 Mathematics (grade 3)**

Mathematics (grade 3) courses typically emphasize number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; and measurement. These courses often require students to improve their numerical fluency, adding multiplication and division to addition and subtraction operations, using whole numbers and parts (quarters, thirds, halves), develop an understanding of unitizing (unit fractions), and estimation. Specific content depends upon state standards for grade 3. (Available SY 2024-.)

### **52033A000 Mathematics (grade 3)**

Mathematics (grade 3) courses typically emphasize number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; and measurement. These courses often require students to improve their numerical fluency, adding multiplication and division to addition and subtraction operations, using whole numbers and parts (quarters, thirds, halves), and estimation. Specific content depends upon state standards for grade 3. (Available SY 2012-2023.)

### **52034A000 Mathematics (grade 4)**

Mathematics (grade 4) courses typically emphasize number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; and measurement. Course content may include activities that help students increase operational fluency, make connections between abstract symbols and concrete events or concepts, or present conclusions based on data. Specific content depends upon state standards for grade 4. (Available SY 2012-2023.)

### **02034A000 Mathematics (grade 4)**

Mathematics (grade 4) courses typically emphasize number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; and measurement. Course content may include activities that help students increase operational fluency, make connections between abstract symbols and concrete events or concepts, build an understanding of fraction equivalence, order, and decimal notation for fractions, or present conclusions based on data. Specific content depends upon state standards for grade 4. (Available SY 2024-.)

### **02035A000 Mathematics (grade 5)**

Mathematics (grade 5) courses typically emphasize number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; and measurement, including exploring the concept of volume. Course content may include activities that help students increase operational fluency, make connections between abstract symbols and concrete events or

concepts, or present their mathematical reasoning. Specific content depends upon state standards for grade 5. (Available SY 2024-.)

### **52035A000 Mathematics (grade 5)**

Mathematics (grade 5) courses typically emphasize number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; and measurement. Course content may include activities that help students increase operational fluency, make connections between abstract symbols and concrete events or concepts, or present their mathematical reasoning. Specific content depends upon state standards for grade 5. (Available SY 2012-2023.)

### **52036A000 Mathematics (grade 6)**

Mathematics (grade 6) courses typically emphasize skills in numerical operations (including basic operations and their proper order); measurement; patterns; simple functions; geometry; and concepts of data analysis, including statistics and probability. Specific content depends upon state standards for grade 6. (Available SY 2012-2023.)

### **02036A000 Mathematics (grade 6)**

Mathematics (grade 6) courses typically emphasize skills in numerical operations (including basic operations and their proper order); ratios and proportional relationships; patterns; simple functions; geometry; and concepts of data analysis, including statistics and probability. Specific content depends upon state standards for grade 6. (Available SY 2024-.)

### **02037A000 Mathematics (grade 7)**

Mathematics (grade 7) courses typically emphasize proficiency in skills involving numbers and operations; ratios and proportional relationships; patterns; functions; algebraic formulas; geometry; and concepts of data analysis, including statistics and probability. Specific content depends upon state standards for grade 7. (Available SY 2024-.)

### **52037A000 Mathematics (grade 7)**

Mathematics (grade 7) courses typically emphasize proficiency in skills involving numbers and operations; measurement; patterns; functions; algebraic formulas; geometry; and concepts of data

analysis, including statistics and probability. Specific content depends upon state standards for grade 7. (Available SY 2012-2023.)

**52038A000 Mathematics (grade 8)**

Mathematics (grade 8) courses typically emphasize proficiency in skills involving numbers and operations, measurement, patterns, simple functions, algebra, geometry, statistics, and probability. Specific content depends upon state standards for grade 8. (Available SY 2012-2023.)

**02038A000 Mathematics (grade 8)**

Mathematics (grade 8) courses typically emphasize proficiency in skills involving numbers and operations, measurement, patterns, simple functions, algebra, geometry, statistics, and probability. Specific content depends upon state standards for grade 8. (Available SY 2024-.)

**02029A000 Mathematics (pre-kindergarten)**

Mathematics (pre-kindergarten) courses cover foundational skills and concepts related to mathematics. Content is age appropriate and conforms to any existing state standards for pre-kindergarten education. (Available SY 2024-.)

**52029A000 Mathematics (pre-kindergarten)**

Mathematics (pre-kindergarten) courses cover foundational skills and concepts related to mathematics. Content is age appropriate and conforms to any existing state standards for pre-kindergarten education. (Available SY 2012-2023.)

**52030A000 Mathematics (kindergarten)**

Mathematics (kindergarten) courses typically introduce and reinforce basic concepts of mathematics such as counting whole numbers and understanding patterns, time, and money. Specific content depends upon state standards for kindergarten. (Available SY 2012-2023.)



### **02030A000 Mathematics (kindergarten)**

Mathematics (kindergarten) courses typically introduce and reinforce basic concepts of mathematics such as counting whole numbers and understanding patterns. Specific content depends upon state standards for kindergarten. (Available SY 2024-.)

### **52997A000 Mathematics – Independent Study**

Mathematics-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to mathematics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **52999A000 Mathematics – Other**

(Available SY 2012-2023.)

### **52993A000 Mathematics – Test Preparation**

Mathematics-Test Preparation courses provide to students activities in analytical thinking and with the skills and strategies associated with taking standardized tests (such as the PSAT, SAT, and ACT). Topics covered include strategies for arithmetic, algebra, geometry, and quantitative comparison problems as well as time management, scoring procedures, calculator usage, and management of test-related stress. (Available SY 2012-2023.)

### **02994A000 Mathematics Proficiency Development**

Mathematics Proficiency Development courses are designed to assist students in acquiring the skills necessary to pass proficiency examinations. (Available SY 2011-.)

### **52994A000 Mathematics Proficiency Development (prior-to-secondary)**

Mathematics Proficiency Development courses are designed to assist students in acquiring the skills necessary to pass proficiency examinations. (Available SY 2012-2023.)

### **02995A000 Mathematics—Aide**

Mathematics—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course materials. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

### **02039A000 Mathematics—General**

Mathematics—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Mathematics, early childhood education through grade 8).] (Available SY 2024-.)

### **52039A000 Mathematics—General**

Mathematics—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Mathematics, early childhood education through grade 8).] (Available SY 2012-2023.)

### **02997A000 Mathematics—Independent Study**

Mathematics—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to mathematics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **02999A000 Mathematics—Other**

Other Mathematics courses. (Available SY 2011-.)

### **02996A000 Mathematics—Supplemental**

Mathematics-Supplemental courses, designed to be taken in addition to or in coordination with other mathematics courses, provide instruction to assist students in acquiring mathematic skills

so that students attain necessary grade-level skills or reach a desired competency level. (Available SY 2024-.)

### **52996A000 Mathematics—Supplemental**

Mathematics-Supplemental courses, designed to be taken in addition to or in coordination with other mathematics courses, provide instruction to assist students in acquiring mathematic skills so that students attain necessary grade-level skills or reach a desired competency level. (Available SY 2012-2023.)

### **02993A000 Mathematics—Test Preparation**

Mathematics—Test Preparation courses provide students with activities in analytical thinking and with the skills and strategies associated with standardized test taking (such as the PSAT, SAT, and ACT). Topics covered include strategies for arithmetic, algebra, geometry, and quantitative comparison problems as well as time management, scoring procedures, calculator usage, and management of test-related stress. (Available SY 2011-.)

### **02998A000 Mathematics—Workplace Experience**

Mathematics—Workplace Experience courses provide students with work experience in a field related to mathematics. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **02122A000 Multivariate Calculus**

Multivariate Calculus courses include the study of hyperbolic functions, improper integrals, directional directives, and multiple integration and its applications. (Available SY 2011-.)

### **02101A000 Number Theory**

Number Theory courses review the properties and uses of integers and prime numbers, and extend this information to congruences and divisibility. (Available SY 2011-.)

### **02152A000 Occupationally Applied Math**

Occupationally Applied Mathematics courses reinforce general mathematics skills, extend these skills to include some pre-algebra and algebra topics, and use these skills primarily in occupational applications. While these courses prepare students for a variety of occupational applications, they are not intended to serve as remedial mathematics courses. Course topics typically include rational numbers, measurement, basic statistics, ratio and proportion, basic geometry, formulas, and simple equations. (Available SY 2011-.)

### **02058A000 Particular Topics in Algebra**

These courses examine a specific topic in algebra, such as linear equations or rational numbers, rather than provide an overview of algebra concepts. (Available SY 2011-.)

### **02141A000 Particular Topics in Analytic Mathematics**

These courses examine particular topics in analytic mathematics (such as mathematical proofs and structures or numerical analysis), not otherwise described above. (Available SY 2011-.)

### **02126A000 Particular Topics in Calculus**

These courses examine specific topics in calculus (such as integral calculus, special functions or series, or the applications of calculus to mathematical modeling), rather than provide a general overview of calculus. (Available SY 2011-.)

### **02003A000 Particular Topics in Foundation Mathematics**

These courses examine particular topics in Foundation Mathematics, such as arithmetic, sequences, or basic conceptual skills, rather than provide a general overview. (Available SY 2011-.)

### **52003A000 Particular Topics in Foundational Mathematics**

These courses examine particular topics in foundational math skills, such as arithmetic, sequences, or basic conceptual skills, rather than providing a more comprehensive overview of mathematics. (Available SY 2012-2023.)

### **02075A000 Particular Topics in Geometry**

These courses examine specific topics in geometry, such as solid or technical geometry, rather than provide a general study of the field of geometry. (Available SY 2011-.)

### **52075A000 Particular Topics in Geometry (Use 02075A000 if placed on high school transcript)**

These courses examine specific topics in geometry, such as solid or technical geometry, rather than provide a general study of the field of geometry. (Available SY 2012-2023.)

### **02204A000 Particular Topics in Probability and Statistics**

These courses examine particular topics in Probability and Statistics, such as regression or hierarchical linear modeling, rather than provide a general overview. (Available SY 2011-.)

### **02051A000 Pre-Algebra**

Pre-Algebra courses increase students' foundational mathematics skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers (i.e., number theory), ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities. (Available SY 2011-.)

### **52051A000 Pre-Algebra (prior-to-secondary)**

Pre-Algebra courses increase students' foundational math skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers (i.e., number theory), ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities. (Available SY 2012-2023.)

### **02052A001 Pre-AP Algebra 1**

### **Pre-AP Course**

Pre-AP Algebra 1 is designed to deepen students' understanding of linear relationships. Students create and use mathematical models to understand and explain authentic scenarios, use evidence to craft, prove, or disprove mathematical conjectures, and learn to represent mathematical concepts in a variety of forms. Key concepts are organized into units focused on linear functions and linear equations, systems of linear equations with inequalities, quadratic functions, and exponent properties and exponential functions. Pre-AP courses follow College Board program requirements that lead to official authorization on Course Ledger. (Available SY 2022-.)

**02056A001 Pre-AP Algebra 2****Pre-AP Course**

Pre-AP Algebra 2 is designed to optimize students' readiness for college-level mathematics classes. Algebra 2 extends the conceptual understanding of and procedural fluency with functions and data analysis that students developed in their previous mathematics courses. It offers an approach that concentrates on the mathematical content and skills that matter most for college readiness. Key concepts are organized into units focused on modeling with functions, the algebra of functions, function families, and trigonometric functions. Pre-AP courses follow College Board program requirements that lead to official authorization on Course Ledger. This course is not yet available for students until the 2022-2023 school year. (Available SY 2022-.)

**02079A001 Pre-AP Geometry with Statistics****Pre-AP Course**

Pre-AP Geometry with Statistics is designed to provide students with a meaningful conceptual bridge between algebra and geometry to deepen their understanding of mathematics. Students create and use mathematical models to understand and explain authentic scenarios, use evidence to craft, prove, or disprove mathematical conjectures, and learn to represent mathematical concepts in a variety of forms. Key concepts are organized into units focused on measurement in data, tools and techniques of geometric measurement, measurement in congruent and similar figures, and measurement in two and three dimensions. Pre-AP courses follow College Board program requirements that lead to official authorization on Course Ledger. (Available SY 2022-.)

**02110A000 Pre-Calculus**

Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Mathematic Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; modeling linear, quadratic, exponential, and trigonometric data; and limits and continuity. (Available SY 2011-.)

**02074A000 Principles of Algebra and Geometry**

Principles of Algebra and Geometry courses combine the study of some pre-algebra and algebra topics with introductory geometry topics. These courses include the study of formulas, algebraic expressions, first-degree equations and inequalities, the rectangular coordinate system, area,

perimeter, and volume of geometric figures, surface area of geometric figures, and properties of triangles and circles. (Available SY 2011-.)

**52074A000 Principles of Algebra and Geometry (Use 02074A000 if placed on high school transcript)**

Principles of Algebra and Geometry courses combine the study of some pre-algebra and algebra topics with introductory geometry topics. These courses include the study of formulas; algebraic expressions; first-degree equations and inequalities; the rectangular coordinate system; area, perimeter, and volume of geometric figures; and properties of triangles and circles. (Available SY 2012-2023.)

**02201A000 Probability and Statistics**

Probability and Statistics courses introduce the study of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics: discrete probability theory, odds and probabilities, probability trees, populations and samples, frequency tables, measures of central tendency and variation, and presentation of data (including graphs). Course topics may also include normal distribution and measures of variability. (Available SY 2011-.)

**02207A000 Probability and Statistics—Independent Study**

Probability and Statistics—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to probability and statistics. These courses may be offered in conjunction with other rigorous math courses, or may serve as an opportunity to explore a topic of special interest. They may also serve as an opportunity to prepare for AP exams if the school does not offer specific courses for that endeavor. (Available SY 2011-.)

**02209A000 Probability and Statistics—Other**

Other Probability and Statistics courses. (Available SY 2011-.)

**02158A000 QUANTITATIVE REASONING**

Quantitative Reasoning courses allow students to apply basic mathematical skills and analytical concepts to real-world situations. These courses focus on strategies required for problem solving, critical evaluation of numerical information, decision making, and economic productivity in real-

world applications. Topics may include numeracy, ratio and proportional reasoning, modeling, financial literacy, validity studies (logic and set theory), and statistics. (Available SY 2023-.)

### **02205A000 Statistics**

Statistics courses involve the major concepts and methods used to collect, analyze, and draw conclusions from data. Topics typically include populations and samples, measures of central tendency and variability, hypothesis testing, presentation, and making statistical inferences. (Available SY 2021-.)

### **02153A000 Technical Mathematics**

Technical Mathematics courses extend students' proficiency in mathematics, and often apply these skills to technical and/or industrial situations and problems. While these courses prepare students for a variety of technical applications, they are not intended to serve as remedial mathematics courses. Technical Mathematics topics may include but are not limited to rational numbers; systems of measurements; tolerances; numerical languages; geometry; algebra; statistics; and using tables, graphs, charts, and other data displays. Technology is integrated as appropriate. (Available SY 2011-.)

### **02055A000 Transition Algebra**

Transition Algebra courses review and extend algebra and geometry concepts for students who have already taken Algebra I and Geometry. Transition Algebra courses include a review of such topics as properties and operations of real numbers; evaluation of rational algebraic expressions; solutions and graphs of first degree equations and inequalities; translation of word problems into equations; operations with and factoring of polynomials; simple quadratics; properties of plane and solid figures; rules of congruence and similarity; coordinate geometry including lines, segments, and circles in the coordinate plane; and angle measurement in triangles including trigonometric ratios. (Available SY 2011-.)

### **02103A000 Trigonometry**

Trigonometry courses prepare students for eventual work in calculus and typically include the following topics: trigonometric and circular functions; their inverses and graphs; relations among the parts of a triangle; trigonometric identities and equations; solutions of right and oblique triangles; the use of the unit circle; modeling trigonometric data; and complex numbers. (Available SY 2011-.)



### **02106A000 Trigonometry/Algebra**

Trigonometry/Algebra courses combine trigonometry and advanced algebra topics, and are usually intended for students who have attained Algebra I and Geometry objectives. Topics typically include trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; modeling linear, quadratic, exponential, and trigonometric data; and properties of higher-degree equations. (Available SY 2011-.)

### **02107A000 Trigonometry/Analytic Geometry**

Covering topics of both Trigonometry and Analytic Geometry, these courses prepare students for eventual work in calculus. Topics typically include the study of right trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; vectors; the polar coordinate system; equations and graphs of conic sections; rotations and transformations; and parametric equations. (Available SY 2011-.)

### **02105A000 Trigonometry/Mathematic Analysis**

Covering topics of both Trigonometry and Mathematic Analysis, these courses prepare students for eventual work in calculus. Topics typically include the study of trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; polynomial, logarithmic, exponential, and rational functions and their graphs; vectors; set theory; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; modeling linear, quadratic, exponential, and trigonometric data; and limits and continuity. (Available SY 2011-.)

## **03 Life and Physical Sciences**

### **03064A001 Advanced Biological Science Applications in Agriculture**

**CTE Course**

Advanced Biological Science Applications in Agriculture courses are designed to provide information regarding the fundamental concepts of life and life processes as related to the local environment. Course topics may include nature appreciation, local flora and fauna, biology, and zoology. The course will be valuable preparation for further education and will increase the relevance of science through the applied setting of agriculture by enhancing literacy in science and the scientific process. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **03064A002 Advanced Biological Science Applications in Agriculture (BSAA) - Animals**

**CTE Course**

This course is designed to reinforce and extend students' understanding of biology by associating advanced scientific principles and concepts with relevant applications in agricultural animal systems. Students will examine major phases of animal agriculture and specific biological science concepts that govern management decisions in the animal industry. Topics of study are in the areas of growth and development of animals – embryology, ethology, nutrition, immunity systems, and processing animal products preservation, fermentation, and pasteurization. The course will be valuable preparation for post-secondary education and will increase the relevance of science through the applied setting of agricultural animal systems by enhancing literacy in science and the scientific process. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2022-.)

### **03064A003 Advanced Biological Science Applications in Agriculture (BSAA) - Plants**

**CTE Course**

This course is designed to reinforce and extend students' understanding of biology by associating advanced scientific principles and concepts with relevant applications in agricultural plant systems. Students will examine major phases of plant growth and management in agriculture and the specific biological science concepts that govern management decisions. Topics of study are in the areas of initiating plant growth – germination, plant sensory mechanisms, enzyme action, absorption, and managing plant growth – photosynthesis, respiration, translocation, metabolism, and growth regulation. The course will be valuable preparation for post-secondary education and will increase the relevance of science through the applied setting of agricultural plant systems by enhancing literacy in science and the scientific process. Improving computer and workplace skills

will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2022-.)

### **03209A000 Aerospace**

Aerospace courses explore the connection between meteorology, astronomy, and flight across and around the earth as well as into outer space. In addition to principles of meteorology (e.g., atmosphere, pressures, winds and jet streams) and astronomical concepts (e.g., solar system, stars, and interplanetary bodies), course topics typically include the history of aviation, principles of aeronautical decision-making, airplane systems, aerodynamics, and flight theory. (Available SY 2011-.)

### **03054A000 Anatomy**

Anatomy courses present an in-depth study of the human body and biological system. Students study such topics as anatomical terminology, cells, and tissues and typically explore functional systems such as skeletal, muscular, circulatory, respiratory, digestive, reproductive, and nervous systems. (Available SY 2011-.)

### **03053A001 Anatomy & Physiology for Health Sciences**

**CTE Course**

Anatomy & Physiology for Health Sciences courses integrate microbiology, disease processes, growth and development, and genetics with anatomy and physiology of the body systems. Students investigate how to prevent, diagnose, and treat disease and various health conditions. Typically, these courses reinforce science, mathematics, communications, health, and social studies principles and relate them to health care. (Available SY 2021-.)

### **03053A000 Anatomy and Physiology**

Usually taken after a comprehensive initial study of biology, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals. (Available SY 2011-.)

### **03056A000 AP Biology**

**AP Course**

Adhering to the curricula recommended by the College Board and designed to parallel college-level introductory biology courses, AP Biology courses emphasize four general concepts:

evolution; cellular processes (energy and communication); genetics and information transfer; and interactions of biological systems. For each concept, these courses emphasize the development of scientific inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. AP Biology courses include college-level laboratory investigations. (Available SY 2011-.)

### **03106A000 AP Chemistry**

### **AP Course**

Following the curricula recommended by the College Board, AP Chemistry courses usually follow high school chemistry and second-year algebra. Concepts covered may include the structure of matter; bonding of intermolecular forces; chemical reactions; kinetics; thermodynamics; and chemical equilibrium. For each concept, these courses emphasize the development of scientific inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. AP Chemistry courses include college-level laboratory investigations. (Available SY 2011-.)

### **03207A000 AP Environmental Science**

### **AP Course**

AP Environmental Science courses are designed by the College Board to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, identify and analyze environmental problems (both natural and human made), evaluate the relative risks associated with the problems, and examine alternative solutions for resolving and/or preventing them. Topics covered include science as a process, ecological processes and energy conversions, earth as an interconnected system, the impact of humans on natural systems, cultural and societal contexts of environmental problems, and the development of practices that will ensure sustainable systems. (Available SY 2011-.)

### **03165A000 AP Physics 1**

### **AP Course**

Designed by the College Board to parallel first-semester college-level courses in algebra-based physics, AP Physics 1 courses focus on Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory circuits. These courses may also include college-level laboratory investigations. (Available SY 2015-.)

### **03166A000 AP Physics 2**

### **AP Course**

Designed by the College Board to parallel second-semester college-level courses in algebra-based physics, AP Physics 2 courses cover fluid statics and dynamics; thermodynamics with kinetic theory, PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and

nuclear physics. These courses may also include college-level laboratory investigations. (Available SY 2015-.)

**03155A000 AP Physics B**

**AP Course**

AP Physics B courses are designed by the College Board to parallel college-level physics courses that provide a systematic introduction to the main principles of physics and emphasize problemsolving without calculus. Course content includes mechanics, electricity and magnetism, modern physics, waves and optics, and kinetic theory and thermodynamics. (Available SY 2011-2020.)

**03156A000 AP Physics C**

**AP Course**

AP Physics C courses prepare students for the College Board's examinations in Physics C: Electricity and Magnetism and Physics C: Mechanics. These courses parallel college-level physics courses that serve as a partial foundation for science or engineering majors and primarily focus on mechanics and electricity and magnetism, with approximately equal emphasis placed on these two areas. See SCED Codes 03163 and 03164 for detailed content descriptions. (Available SY 2011-.)

**03163A000 AP Physics C: Electricity and Magnetism**

**AP Course**

Designed by the College Board to parallel college-level physics courses that serve as a partial foundation for science or engineering majors, AP Physics C: Electricity and Magnetism courses focus on electricity and magnetism, including topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. AP Physics C courses require the use of calculus to solve the problems posed. (Available SY 2021-.)

**03164A000 AP Physics C: Mechanics**

**AP Course**

Designed by the College Board to parallel college-level physics courses that serve as a partial foundation for science or engineering majors, AP Physics C: Mechanics courses focus on classical mechanics, including topics in kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation. AP Physics C courses require the use of calculus to solve the problems posed. (Available SY 2021-.)

### **03203A000 Applied Biology/Chemistry**

Applied Biology/Chemistry courses integrate biology and chemistry into a unified domain of study and present the resulting body of knowledge in the context of work, home, society, and the environment, emphasizing field and laboratory activities. Topics include natural resources, water, air and other gases, nutrition, disease and wellness, plant growth and reproduction, life processes, microorganisms, synthetic materials, waste and waste management, and the community of life. (Available SY 2011-.)

### **03004A000 Astronomy**

Astronomy courses offer students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. These courses usually introduce and use astronomic instruments and typically explore theories regarding the origin and evolution of the universe, space, and time. (Available SY 2011-.)

### **03051A000 Biology**

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy. (Available SY 2011-.)

### **53051A000 Biology (prior-to-secondary)**

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy. (Available SY 2012-2023.)

### **53097A000 Biology – Independent Study**

Biology-Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other science courses or may serve as an opportunity for students to explore a topic of special interest. (Available SY 2012-2023.)

### **53099A000 Biology – Other**

(Available SY 2012-2023.)

### **03052A000 Biology—Advanced Studies**

Usually taken after a comprehensive initial study of biology, Biology—Advanced Studies courses cover biological systems in more detail. Topics that may be explored include cell organization, function, and reproduction; energy transformation; human anatomy and physiology; and the evolution and adaptation of organisms. (Available SY 2011-.)

### **03097A000 Biology—Independent Study**

Biology—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other science courses or may serve as an opportunity for students to explore a topic of special interest. (Available SY 2011-.)

### **03099A000 Biology—Other**

Other Biology courses. (Available SY 2011-.)

### **03098A000 Biology—Workplace Experience**

Biology—Workplace Experience courses provide work experience in a field related to biology. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **03058A000 Botany**

Botany courses provide students with an understanding of plants, their life cycles, and their evolutionary relationships. (Available SY 2011-.)

### **03101A000 Chemistry**

Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied. (Available SY 2011-.)

### **53101A000 Chemistry (prior-to-secondary)**

Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/ reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied. (Available SY 2012-2023.)

### **53147A000 Chemistry – Independent Study**

Chemistry-Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity to explore a topic of special interest. (Available SY 2012-2023.)

### **53149A000 Chemistry – Other**

(Available SY 2012-2023.)

### **03102A000 Chemistry—Advanced Studies**

Usually taken after a comprehensive initial study of chemistry, Chemistry—Advanced Studies courses cover chemical properties and interactions in more detail. Advanced chemistry topics include organic chemistry, thermodynamics, electrochemistry, macromolecules, kinetic theory, and nuclear chemistry. (Available SY 2011-.)

### **03147A000 Chemistry—Independent Study**

Chemistry—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity to explore a topic of special interest. (Available SY 2011-.)



### **03149A000 Chemistry—Other**

Other Chemistry courses. (Available SY 2011-.)

### **03148A000 Chemistry—Workplace Experience**

Chemistry—Workplace Experience courses provide work experience in a field related to chemistry. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **03062A000 Conceptual Biology**

These courses provide students with a basic understanding of living things. Topics covered may include ecology and environmental problems such as overpopulation and pollution as well as cells, types of organisms, evolutionary behavior, and inheritance. (Available SY 2011-.)

### **03105A000 Conceptual Chemistry**

Conceptual Chemistry courses are practical, nonquantitative chemistry courses designed for students who desire an understanding of chemical concepts and applications. (Available SY 2011-.)

### **03161A000 Conceptual Physics**

Conceptual Physics courses introduce students to the use of chemicals, characteristic properties of materials, and simple mechanics to better describe the world and nonliving matter. The courses emphasize precise measurements and descriptive analysis of experimental results. Topics covered may include energy and motion, electricity, magnetism, heat, the structure of matter, and how matter reacts to materials and forces. (Available SY 2011-.)

### **03008A000 Earth and Space Science**

Earth and Space Science courses introduce students to the study of the earth from a local and global perspective. In these courses, students typically learn about time zones, latitude and longitude, atmosphere, weather, climate, matter, and energy transfer. Advanced topics often include the study of the use of remote sensing, computer visualization, and computer modeling to

enable earth scientists to understand earth as a complex and changing planet. (Available SY 2011-.)

### **03001A000 Earth Science**

Earth Science courses offer insight into the environment on earth and the earth's environment in space. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, these courses usually explore oceanography, geology, astronomy, meteorology, and geography. (Available SY 2011-.)

### **53047A000 Earth Science – Independent Study**

Earth Science-Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other science courses or may serve as an opportunity to explore a topic of special interest. (Available SY 2012-2023.)

### **53049A000 Earth Science – Other**

(Available SY 2012-2023.)

### **03047A000 Earth Science—Independent Study**

Earth Science—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other science courses or may serve as an opportunity to explore a topic of special interest. (Available SY 2011-.)

### **03049A000 Earth Science—Other**

Other Early Science courses. (Available SY 2011-.)

### **03048A000 Earth Science—Workplace Experience**

Earth Science—Workplace Experience courses provide work experience in a field related to earth science. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well,

involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **53008A000 Earth/Space Science (prior-to-secondary)**

Earth/Space Science (prior-to-secondary) covers basic principles of earth and space science. These may include plate tectonics, rocks and the rock cycle, weather, ocean currents, movements of the Earth, moon, and planets, components of the galaxy and universe, or other topics consistent with state academic standards for earth and space science. (Available SY 2012-2023.)

### **03010A000 Earth/Space Science (prior-to-secondary)**

Earth/Space Science (prior-to-secondary) covers basic principles of earth and space science. These may include plate tectonics, rocks and the rock cycle, weather, ocean currents, movements of the Earth, moon, and planets, components of the galaxy and universe, or other topics consistent with state academic standards for earth and space science. (Available SY 2024-.)

### **71004A001 Energy and the Environment**

**CTE Course**

Students investigate the importance of energy in our lives and the impact energy use has on the environment. They design and model alternative energy sources and participate in an energy expo to demonstrate energy concepts and innovative ideas. Students evaluate ways to reduce energy consumption through energy efficiency and waste management techniques. (Available SY 2012-2021.)

### **03012A000 Energy and the Environment**

Energy and the Environment courses expose students to the scientific principles associated with energy transformation, collection, extraction, transmission and storage. Course content may emphasize energy's significance in society and the effects of its use on the environment. Topics may include the distribution, availability, patterns of use, and environmental impacts of energy resources. (Available SY 2021-.)

### **03003A000 Environmental Science**

Environmental Science courses examine the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems,

population and growth studies, pollution, and conservation of natural resources. (Available SY 2011-.)

### **03214A000 Forensic Laboratory Science**

Forensic Laboratory Science courses involve the application of biological, chemical, and physical science principles to data and physical evidence related to evidence collection and analysis. The courses focus on the application of scientific knowledge and scientific principles to collect, preserve, and analyze evidence in a laboratory setting. Topics may include but are not limited to entomology, forensic anthropology, serology, and fingerprinting. (Available SY 2021-.)

### **03059A000 Genetics**

Genetics courses provide students with an understanding of general concepts concerning genes, heredity, and variation of organisms. Course topics typically include chromosomes, the structure of DNA and RNA molecules, and dominant and recessive inheritance and may also include lethal alleles, epistasis and hypostasis, and polygenic inheritance. (Available SY 2011-.)

### **03002A000 Geology**

Geology courses provide an in-depth study of the forces that formed and continue to affect the earth's surface. Earthquakes, volcanoes, and erosion are examples of topics that are presented. (Available SY 2011-.)

### **03057A000 IB Biology**

### **IB Course**

IB Biology courses prepare students to take the International Baccalaureate Biology exams. In keeping with the general aim of IB Experimental Sciences courses, IB Biology promotes understanding of the facts, principles, and concepts underlying the biological field; critical analysis, evaluation, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of biology and scientific advances in biology upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes study of statistical analysis, cells, the chemistry of life, genetics, ecology and evolution, and human health and physiology, nucleic acids, metabolism, plant biology, genetics, and animal physiology. Laboratory experimentation is an essential component of these courses. (Available SY 2011-.)

**03107A000 IB Chemistry****IB Course**

IB Chemistry courses prepare students to take the International Baccalaureate Chemistry exams. In keeping with the general aim of IB Experimental Sciences courses, IB Chemistry promotes understanding of the facts, patterns, and principles underlying the field of chemistry; critical analysis, evaluation, prediction, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of chemistry and scientific advances in chemistry upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes the study of quantitative and organic chemistry; atomic structure, periodicity, bonding, energetics, kinetics, equilibrium, acids and bases, oxidations and reduction, and measurement and data processing. Laboratory experimentation is an essential part of these courses. (Available SY 2011-.)

**03206A000 IB Design Technology****IB Course**

IB Design Technology courses prepare students to take the International Baccalaureate Design Technology exams. In keeping with the general aim of IB Experimental Sciences courses, IB Design Technology courses promote using critical-thinking and design skills to solve problems in a practical context. Practical/investigative work centers on the design process; product design, development, and innovation; green design; materials; and evaluation. (Available SY 2011-.)

**03208A000 IB Environmental Systems and Societies****IB Course**

IB Environmental Systems courses prepare students to take the International Baccalaureate Environmental Systems exam by providing them with the knowledge, methods, and techniques to understand the nature and functioning of natural systems, the relationships that affect environmental equilibrium, and human impact on the biosphere. Topics also include ecosystem integrity and sustainability, students' own relationships to the environment, and the nature of internationalism in resolving major environmental issues. This is considered an interdisciplinary course and students may receive credit within two IB subject areas: sciences, and individuals and societies. (Available SY 2011-.)

**03160A000 IB Physical Science****IB Course**

IB Physical Science courses prepare students to take the International Baccalaureate Physical Science exams at either the Subsidiary or Higher level. These courses integrate the study of physics and chemistry, showing how the physical and chemical properties of materials can be explained and predicted in terms of atomic, molecular, and crystal structures and forces. In keeping with the general aim of IB Experimental Sciences courses, IB Physical Science courses promote critical analysis, prediction, and application of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of science and scientific advances upon both society and issues of ethical, philosophical, and political importance.

Students are required to develop and pursue an individual, experimental project, which is evaluated as part of the IB exam. (Available SY 2011-2020.)

### **03157A000 IB Physics**

### **IB Course**

IB Physics courses prepare students to take the International Baccalaureate Physics exams. In keeping with the general aim of IB Experimental Sciences courses, IB Physics promotes understanding of the facts, patterns, and principles underlying the field of physics; critical analysis, prediction, and application of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of scientific advances in physics upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes the study of physical measurement; mechanics; thermal, atomic, and nuclear physics; oscillations and waves; electric currents; fields and forces; and energy, power, and climate change. Laboratory experimentation is essential; calculus may be used in some courses. (Available SY 2011-.)

### **03213A000 IB Sciences, Middle Years Program**

### **IB Course**

International Baccalaureate (IB) Sciences, Middle Years Program courses provide to students a body of knowledge and an understanding of the scientific approach to problem solving. It may be organized as biology, chemistry, and physics, or as an integrated sciences course. The course requires students to formulate hypotheses, design and carry out experiments to test them, and evaluate results. (Available SY 2012-.)

### **03065A000 IB Sports, Exercise, and Health Science**

### **IB Course**

IB Sports, Exercise, and Health Science courses prepare students to take the International Baccalaureate Sports, Exercise, and Health Science exam. These courses are designed to provide students with an understanding of the science of physical performance. Course topics may include anatomy and physiology, biomechanics, psychology and nutrition, and the measurement and evaluation of human performance. (Available SY 2021-.)

### **03201A000 Integrated Science**

The specific content of Integrated Science courses varies, but they draw upon the principles of several scientific specialties—earth science, physical science, biology, chemistry, and physics—and organize the material around thematic units. Common themes covered include systems, models, energy, patterns, change, and constancy. These courses use appropriate aspects from each specialty to investigate applications of the theme. (Available SY 2011-.)

### **53201A000 Integrated Science (prior-to-secondary)**

The specific content of Integrated Science courses varies, but they draw upon the principles of several scientific specialties-earth science, physical science, biology, chemistry, and physics-and organize the material around thematic units. Common themes covered include systems, models, energy, patterns, change, and constancy. These courses use appropriate aspects from each specialty to investigate applications of the theme. (Available SY 2012-2023.)

### **53997A000 Life and Physical Sciences – Independent Study**

Life and Physical Sciences-Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity to explore a topic of special interest. (Available SY 2012-2023.)

### **53999A000 Life and Physical Sciences – Other**

(Available SY 2012-2023.)

### **53994A000 Life and Physical Sciences – Proficiency Development**

Life and Physical Sciences-Proficiency Development courses are designed to assist students in acquiring the skills necessary to pass proficiency examinations related to the life sciences and physical sciences. (Available SY 2012-2023.)

### **03995A000 Life and Physical Sciences—Aide**

Life and Physical Sciences—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students and may serve as laboratory assistants. (Available SY 2011-.)

### **03997A000 Life and Physical Sciences—Independent Study**

Life and Physical Sciences—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity to explore a topic of special interest. (Available SY 2011-.)

### **03999A000 Life and Physical Sciences—Other**

Other Life and Physical Sciences courses. (Available SY 2011-.)

### **03994A000 Life and Physical Sciences—Proficiency Development**

Life and Physical Sciences—Proficiency Development courses are designed to assist students in acquiring the skills necessary to pass proficiency examinations related to the life sciences and physical sciences. (Available SY 2011-.)

### **03996A000 Life and Physical Sciences—Supplemental**

Life and Physical Sciences—Supplemental courses, designed to be taken in addition or in coordination with other life and physical science courses, provide instruction to assist students in acquiring science skills so that students attain necessary grade-level skills or reach a desired competency level. (Available SY 2021-.)

### **53996A000 Life and Physical Sciences—Supplemental (prior-to-secondary)**

Life and Physical Sciences-Supplemental courses, designed to be taken in addition or in coordination with other life and physical science courses, provide instruction to assist students in acquiring science skills so that students attain necessary grade-level skills or reach a desired competency level. (Available SY 2012-2023.)

### **03998A000 Life and Physical Sciences—Workplace Experience**

Life and Physical Sciences—Workplace Experience courses provide work experience in a field related to life and/or physical science. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)



### **03158A000 Life Science**

Life Science courses cover the basic principles of life and life processes. These topics may include cells, species, ecosystems, reproduction, genetics, or other topics consistent with state academic standards for life science. (Available SY 2021-.)

### **53158A000 Life Science (prior-to-secondary)**

Life Science courses cover the basic principles of life and life processes. These topics may include cells, species, ecosystems, reproduction, genetics, or other topics consistent with state academic standards for life science. (Available SY 2012-2023.)

### **03005A000 Marine Science**

Courses in Marine Science focus on the content, features, and possibilities of the earth's oceans. They explore marine organisms, conditions, and ecology and sometimes cover marine mining, farming, and exploration. (Available SY 2011-.)

### **03068A001 Medical Interventions**

**CTE Course**

Medical Interventions courses provides opportunities to investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. (Available SY 2021-.)

### **03006A000 Meteorology**

Meteorology courses examine the properties of the earth's atmosphere. Topics usually include atmospheric layering, changing pressures, winds, water vapor, air masses, fronts, temperature changes and weather forecasting. (Available SY 2011-.)

### **03060A000 Microbiology**

Microbiology courses provide students with a general understanding of microbes, prokaryotic and eukaryotic cells, and the three domain systems. Additional topics covered may include bacterial control, cell structure, fungi, protozoa, viruses and immunity, microbial genetics, and metabolism. (Available SY 2011-.)

### **03069A000 Nutrition Science**

Nutrition Science courses focus on the examination of individual nutrients; their structure and function in the human body; nutrient composition of food; and selection of food to meet nutrient needs, maintain health and provide satisfaction. Topics covered include digestion, absorption, and metabolism of carbohydrates, lipids, and proteins; vitamins and minerals; physical activity; nutritional needs throughout the life cycle; and evaluation of nutritional claims. (Available SY 2021-.)

### **03103A000 Organic Chemistry**

Organic Chemistry courses involve the study of organic molecules and functional groups. Topics covered may include nomenclature, bonding molecular structure and reactivity, reaction mechanisms, and current spectroscopic techniques. (Available SY 2011-.)

### **03205A000 Origins of Science**

Origins of Science courses explore the body of scientific knowledge and discoveries from an historical perspective, wherein students gain an understanding of how one discovery led to others or to entire revolutions of thought. In these courses, original experiments may be replicated, and students may study primary materials. (Available SY 2011-.)

### **03063A000 Particular Topics in Biology**

Particular Topics in Biology courses concentrate on a particular subtopic within the field of biology (such as botany, zoology, genetics, and so on) that is not otherwise described within this classification system. (Available SY 2011-.)

### **53063A000 Particular Topics in Biology (prior-to-secondary)**

Particular Topics in Biology courses concentrate on a particular subtopic within the field of biology (such as botany, zoology, genetics, and so on) that is not otherwise described within this classification system. (Available SY 2012-2023.)

### **03108A000 Particular Topics in Chemistry**

Particular Topics in Chemistry courses concentrate on a particular subtopic within the field of chemistry (such as chromatography and spectrometry) that is not otherwise described in this classification system. (Available SY 2011-.)

### **53108A000 Particular Topics in Chemistry (prior-to-secondary)**

Particular Topics in Chemistry courses concentrate on a particular subtopic within the field of chemistry (such as chromatography and spectrometry) that is not otherwise described in this classification system. (Available SY 2012-2023.)

### **03009A000 Particular Topics in Earth Science**

Particular Topics in Earth Science courses concentrate on a particular subtopic within the field of earth science (such as mineralogy) that is not otherwise described within this classification system. (Available SY 2024-.)

### **53009A000 Particular Topics in Earth Science**

Particular Topics in Earth Science courses concentrate on a particular subtopic within the field of earth science (such as mineralogy) that is not otherwise described within this classification system. (Available SY 2012-2023.)

### **03162A000 Particular Topics in Physics**

Particular Topics in Physics courses concentrate on a particular subtopic within the field of physics (such as optics, thermodynamics, quantum physics, and so on) that is not otherwise described in this classification system. (Available SY 2011-.)

### **53162A000 Particular Topics in Physics (prior-to-secondary)**

Particular Topics in Physics courses concentrate on a particular subtopic within the field of physics (such as optics, thermodynamics, quantum physics, and so on) that is not otherwise described in this classification system. (Available SY 2012-2023.)

### **03104A000 Physical Chemistry**

Usually taken after completing a calculus course, Physical Chemistry courses cover chemical kinetics, quantum mechanics, molecular structure, molecular spectroscopy, and statistical mechanics. (Available SY 2011-.)

### **03007A000 Physical Geography**

Physical Geography courses equip students with an understanding of the constraints and possibilities that the physical environment places on human development. These courses include discussion of the physical landscape through geomorphology and topography, the patterns and processes of climate and weather, and natural resources. (Available SY 2011-.)

### **03159A000 Physical Science**

Physical Science courses involve study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions. (Available SY 2011-.)

### **03011A000 Physical Science (prior-to-secondary)**

Physical Science (prior-to-secondary) courses cover basic principles of physical science, such as matter, energy, force, and motion. Topics may include conservation of energy and matter, the atomic model, the periodic table, electricity, or other topics consistent with state academic standards for physical science. (Available SY 2024-.)

### **53159A000 Physical Science (prior-to-secondary)**

Physical Science (prior-to-secondary) courses cover basic principles of physical science, such as matter, energy, force, and motion. Topics may include conservation of energy and matter, the atomic model, the periodic table, electricity, or other topics consistent with state academic standards for physical science. (Available SY 2012-2023.)

### **03151A000 Physics**

Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of

physics includes examination of sound, light, and magnetic and electric phenomena. (Available SY 2011-.)

### **53151A000 Physics (prior-to-secondary)**

Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena. (Available SY 2012-2023.)

### **53197A000 Physics – Independent Study**

Physics-Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may provide an opportunity for students to explore a topic of special interest. (Available SY 2012-2023.)

### **53199A000 Physics – Other**

(Available SY 2012-2023.)

### **03152A000 Physics—Advanced Studies**

Usually taken after a comprehensive initial study of physics, Physics—Advanced Studies courses provide instruction in laws of conservation, thermodynamics, and kinetics; wave and particle phenomena; electromagnetic fields; and fluid dynamics. (Available SY 2011-.)

### **03197A000 Physics—Independent Study**

Physics—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may provide students with an opportunity to explore a topic of special interest. (Available SY 2011-.)

### **03199A000 Physics—Other**

Other Physics courses. (Available SY 2011-.)

### **03198A000 Physics—Workplace Experience**

Physics—Workplace Experience courses provide work experience in a field related to physics. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **03055A000 Physiology**

Physiology courses examine all major systems, tissues, and muscle groups in the human body to help students understand how these systems interact and their role in maintaining homeostasis. These courses may also cover such topics as cell structure and function, metabolism, and the human life cycle. (Available SY 2011-.)

### **03070A000 PLTW Biomedical Innovation**

Following Project Lead the Way's suggested curriculum, PLTW Biomedical Innovation courses help students apply their knowledge and skills to design innovative solutions related to biomedical challenges. These courses address topics ranging from public health and biomedical engineering to clinical medicine and physiology. These courses may also provide students with the opportunity to work with a mentor or advisor from a university, medical facility, or research institution. Students may design and complete an independent project as part of the course. (Available SY 2021-.)

### **03067A000 PLTW Human Body Systems**

Following Project Lead the Way's suggested curriculum, PLTW Human Body Systems courses are designed for students to assume the role of biomedical professionals to solve real-world medical cases and experience science in action. In these courses, students study the interactions of systems within the human body by building organs and tissues on a skeletal manikin and use data acquisition software to monitor bodily functions. Course content also includes the exploration of identity, power, movement, protection, and homeostasis. (Available SY 2021-.)

### **03068A000 PLTW Medical Interventions**

Following Project Lead the Way's suggested curriculum, PLTW Medical Interventions courses focus on the health of a fictitious family that students must support by providing disease prevention, diagnosis, and treatments. In these courses, students study infections, human DNA code, cancer treatment, and organ failure. Course topics may also include immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. (Available SY 2021-.)

### **03066A000 PLTW Principles of Biomedical Science**

Following Project Lead the Way's suggested curriculum, PLTW Principles of Biomedical Science courses focus on a case study in which students investigate the cause of death of a fictional person. Students conduct research, in which they examine autopsy reports, review medical history, and study human physiology, biology, and medicine to diagnose and recommend treatments that could have been applied. (Available SY 2021-.)

### **03056A001 Pre-AP Biology**

#### **Pre-AP Course**

Pre-AP Biology emphasizes the integration of content with science practices. Students engage in analytical reading and writing to gain, retain, and apply scientific knowledge and engage in scientific argumentation, they make strategic use of mathematics, and they construct, refine, and evaluate models to explain key patterns, interactions, and relationships in biological systems. Key concepts are organized into units focused on ecological systems, evolution, cellular systems, and genetics. Pre-AP courses follow College Board program requirements that lead to official authorization on Course Ledger. (Available SY 2022-.)

### **03106A001 Pre-AP Chemistry**

#### **Pre-AP Course**

Pre-AP Chemistry emphasizes the integration of content with science practices. Students engage in analytical reading and writing to gain, retain, and apply scientific knowledge and to engage in scientific argumentation, they make strategic use of mathematics, and they construct, refine, and evaluate models to connect macroscopic observations to structure, motion, and interactions occurring at the atomic scale. Key concepts are organized into units focused on the structure and properties of matter, chemical bonding and interactions, chemical quantities, and chemical transformations. Pre-AP courses follow College Board program requirements that lead to official authorization on Course Ledger. (Available SY 2022-.)

### **03153A000 Principles of Technology**

Principles of Technology courses focus on the study of the forces and laws of nature and their application to modern technology. Equilibrium, motion, momentum, energy conversion, electromagnetism, and optical phenomena are presented in the context of current, real-world

applications. Demonstrations, math labs, and applied laboratory experiments are an integral part of the Principles of Technology curriculum. These courses enable students to gain a solid foundation for careers in electronics, robotics, telecommunications, and other technological fields. (Available SY 2011-.)

### **53153A000 Principles of Technology (prior-to-secondary)**

Principles of Technology courses focus on the study of the forces and laws of nature and their application to modern technology. Equilibrium, motion, momentum, energy conversion, electromagnetism, and optical phenomena are presented in the context of current, real-world applications. Demonstrations, math labs, and applied laboratory experiments are an integral part of the Principles of Technology curriculum. (Available SY 2012-2023.)

### **03064A000 Regional Biology**

Regional Biology courses are designed to provide information regarding the fundamental concepts of life and life processes as related to the local environment. Course topics may include nature appreciation, local flora and fauna, biology, and zoology. (Available SY 2021-.)

### **53231A000 Science (grade 1)**

Science (grade 1) courses allow students to identify interactions and patterns in objects and events and to record observations in written or visual form. Typically, students investigate systems of living organisms and the environment. Specific content depends upon state standards for grade 1. (Available SY 2012-2023.)

### **03231A000 Science (grade 1)**

Science (grade 1) courses allow students to identify interactions and patterns in objects and events and to record observations in written or visual form. Typically, students investigate systems of living organisms and the environment. Specific content depends upon state standards for grade 1. (Available SY 2024-.)

### **03232A000 Science (grade 2)**

Science (grade 2) courses continue to introduce students to basic scientific processes and principles. Course content may include identification of patterns, classification and sequencing, or manipulation of systems to observe interactions between parts and record the effects of change. Specific content depends upon state standards for grade 2. (Available SY 2024-.)



**53232A000 Science (grade 2)**

Science (grade 2) courses continue to introduce students to basic scientific processes and principles. Course content may include identification of patterns, classification and sequencing, or manipulation of systems to observe interactions between parts and record the effects of change. Specific content depends upon state standards for grade 2. (Available SY 2012-2023.)

**53233A000 Science (grade 3)**

Science (grade 3) courses involve observation, measurement, and description of simple systems. Course content may include the scientific process; life and environmental science; and physical, earth, and space science. Specific content depends upon state standards for grade 3. (Available SY 2012-2023.)

**03233A000 Science (grade 3)**

Science (grade 3) courses involve observation, measurement, and description of simple systems. Course content may include the scientific process; life and environmental science; and physical, earth, and space science. Specific content depends upon state standards for grade 3. (Available SY 2024-.)

**03234A000 Science (grade 4)**

Science (grade 4) courses typically explore complex systems, such as plant and animal adaptation, forces and motion, and physical and chemical changes in matter, or content consistent with state academic standards. Students may identify causes and effects of change, make predictions, and gather data from multiple sources. Specific content depends upon state standards for grade 4. (Available SY 2024-.)

**53234A000 Science (grade 4)**

Science (grade 4) courses typically explore complex systems, such as plant and animal adaptation, forces and motion, and physical and chemical changes in matter, or content consistent with state academic standards. Students may identify causes and effects of change, make predictions, and gather data from multiple sources. Specific content depends upon state standards for grade 4. (Available SY 2012-2023.)

**53235A000 Science (grade 5)**

Science (grade 5) courses build on the study of various systems. They may include identification and description of cycles, comparisons of forms of matter and energy, forces, or content consistent with state academic standards. Students may make comparisons and interpret and analyze information. Specific content depends upon state standards for grade 5. (Available SY 2012-2023.)

**03235A000 Science (grade 5)**

Science (grade 5) courses build on the study of various systems. They may include identification and description of cycles, comparisons of forms of matter and energy, forces, or content consistent with state academic standards. Students may make comparisons and interpret and analyze information. Specific content depends upon state standards for grade 5. (Available SY 2024-.)

**03236A000 Science (grade 6)**

Science (grade 6) courses typically include subject matter from several strands of science, including earth/space sciences, physical sciences, and life or environmental sciences, and may organize material around thematic units. Specific content depends upon state standards for grade 6. (Available SY 2024-.)

**53236A000 Science (grade 6)**

Science (grade 6) courses typically include subject matter from several strands of science, including earth/space sciences, physical sciences, and life or environmental sciences, and may organize material around thematic units. Specific content depends upon state standards for grade 6. (Available SY 2012-2023.)

**53237A000 Science (grade 7)**

Science (grade 7) courses build on previous years of scientific inquiry and typically include subject matter from several strands of science, including earth sciences, physical sciences, and life or environmental sciences, and may organize material around thematic units. Specific content depends upon state standards for grade 7. (Available SY 2012-2023.)

**03237A000 Science (grade 7)**

Science (grade 7) courses build on previous years of scientific inquiry and typically include subject matter from several strands of science, including earth sciences, physical sciences, and life or

environmental sciences, and may organize material around thematic units. Specific content depends upon state standards for grade 7. (Available SY 2024-.)

### **03238A000 Science (grade 8)**

Science (grade 8) courses typically include subject matter from several strands of science, including earth sciences, physical sciences, and life or environmental sciences, and may organize material around thematic units. Specific content depends upon state standards for grade 8. (Available SY 2024-.)

### **53238A000 Science (grade 8)**

Science (grade 8) courses typically include subject matter from several strands of science, including earth sciences, physical sciences, and life or environmental sciences, and may organize material around thematic units. Specific content depends upon state standards for grade 8. (Available SY 2012-2023.)

### **03230A000 Science (kindergarten)**

Science (kindergarten) courses encourage students to observe and describe properties of organisms, systems, and the environment. Students may raise questions, identify patterns, and record observations. Specific content depends upon state standards for kindergarten. (Available SY 2024-.)

### **53230A000 Science (kindergarten)**

Science (kindergarten) courses encourage students to observe and describe properties of organisms, systems, and the environment. Students may raise questions, identify patterns, and record observations. Specific content depends upon state standards for kindergarten. (Available SY 2012-2023.)

### **53229A000 Science (pre-kindergarten)**

Science (pre-kindergarten) courses cover foundational skills and concepts related to science, such as investigation and observation. Content is age-appropriate and conforms to any existing state standards for pre-kindergarten education. (Available SY 2012-2023.)

### **03229A000 Science (pre-kindergarten)**

Science (pre-kindergarten) courses cover foundational skills and concepts related to science, such as investigation and observation. Content is age-appropriate and conforms to any existing state standards for pre-kindergarten education. (Available SY 2024-.)

### **03228A000 Science (early childhood education)**

Science (early childhood education) courses cover foundational skills and concepts related to science, such as investigation and observation. Content is age appropriate and conforms to any existing state standards for early childhood education. (Available SY 2024-.)

### **53228A000 Science (early childhood education)**

Science (early childhood education) courses cover foundational skills and concepts related to science, such as investigation and observation. Content is age appropriate and conforms to any existing state standards for early childhood education. (Available SY 2012-2023.)

### **03210A000 Science, Technology and Society**

Science, Technology, and Society courses encourage students to explore and understand the ways in which science and technology shape culture, values, and institutions and how such factors, in turn, shape science and technology. Topics covered may include how science and technology enter society and how they change as a result of social processes. (Available SY 2011-.)

### **53239A000 Science—General**

Science—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., “by third grade, students should know and be able to do...”). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Science, early childhood education through grade 8).] (Available SY 2012-2023.)

### **03239A000 Science—General**

Science—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., “by third grade, students should know and be able to do...”). These courses include content that may be applicable to states or localities that do not employ

grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Science, early childhood education through grade 8).] (Available SY 2024-.)

### **03212A000 Scientific Research and Design**

In Scientific Research and Design courses, students conceive of, design, and complete a project using scientific inquiry and experimentation methodologies. Emphasis is typically placed on safety issues, research protocols, controlling or manipulating variables, data analysis, and a coherent display of the project and its outcome(s). (Available SY 2011-.)

### **03211A000 Technical Science**

Technical Science courses introduce students to scientific tools and methods and provide an introduction to chemistry and physics. Topics covered typically include measurement conversion, model creation, use of scientific methods, interpretation of atoms, identification of the properties of common compounds, analysis of chemical equations, the impact of force on linear motion, and the study of various physical phenomena and forms of energy. (Available SY 2011-.)

### **03204A000 Technological Inquiry**

Technological Inquiry courses provide students with an understanding of the use of process skills as an integral part of scientific activity and technological development. Students learn how scientific phenomena are explained, measured, predicted, organized, and communicated. (Available SY 2011-.)

### **03001A001 Technology and Society (EbD)**

**CTE Course**

Technology and Society course will provide an overview of the importance of, impact on, and relationships between technological endeavors and society at large. This courses typically emphasize economic and environmental factors and impacts and the influences of society on technological endeavors. Students will be introduced to structured methods for assessing technology and science issues and developing defensible opinions and positions. (Available SY 2015-2016.)

### **03202A000 Unified Science**

Unified Science courses combine more than one branch of science into a cohesive study or may integrate science with another discipline. General scientific concepts are explored, as are the principles underlying the scientific method and experimentation techniques. (Available SY 2011-.)

### **53202A000 Unified Science (prior-to-secondary)**

Unified Science courses combine more than one branch of science into a cohesive study or may integrate science with another discipline. General scientific concepts are explored, as are the principles underlying the scientific method and experimentation techniques. (Available SY 2012-2023.)

### **03061A000 Zoology**

Zoology courses provide students with an understanding of animals, the niche they occupy in their environment or habitat, their life cycles, and their evolutionary relationships to other organisms. These courses should also help students develop an awareness and understanding of biotic communities. (Available SY 2011-.)

## **04 Social Sciences and History**

### **04060A000 Ancient and Medieval History**

Ancient and Medieval History courses combine a study of ancient civilizations and Medieval Europe, beginning with the civilizations of the ancient Middle East and continuing through the late Middle Ages in Europe. (Available SY 2011-.)

### **04058A000 Ancient Civilizations**

Ancient Civilizations courses provide a survey of the evolution of society from the ancient Middle East through Greek and Roman civilizations. Typically, in these courses, students study the rise and fall of civilizations and empires, with an emphasis on the legacies they provide to successive societies. (Available SY 2011-.)

### **04251A000 Anthropology**

Anthropology courses introduce students to the study of human evolution with regard to the origin, distribution, physical attributes, environment, and culture of human beings. These courses provide an overview of anthropology, including but not limited to both physical and cultural anthropology. (Available SY 2011-.)

### **04158A000 AP Comparative Government and Politics**

**AP Course**

Following the College Board's suggested curriculum designed to parallel college-level Comparative Government and Politics courses, these courses offer students an understanding of the world's diverse political structures and practices. The courses encompass the study of both specific countries and general concepts used to interpret the key political relationships found in virtually all national policies. Course content generally includes sovereignty, authority, and power; political institutions; the relationships among citizens, society, and the state; political and economic change; and public policy. (Available SY 2011-.)

### **04205A000 AP Economics**

**AP Course**

AP Economics courses prepare students for the College Board's examinations in both AP Microeconomics and AP Macroeconomics. See SCED codes 04203 and 04204 for detailed content descriptions. (Available SY 2011-.)

**04056A000 AP European History****AP Course**

Following the College Board's suggested curriculum designed to parallel college-level European History courses, AP European History courses examine European civilization in four chronological periods, from 1450 to the present, and also expose students to the factual narrative. In addition, these courses help students develop an understanding of some of the principal themes in modern European history and the abilities to analyze historical evidence and to express that understanding and analysis in writing. (Available SY 2011-.)

**04159A000 AP Government****AP Course**

AP Government courses prepare students for the AP exams in both U.S. Government and Politics and Comparative Government and Politics. Course content includes the topics covered in those two separate courses. See SCED Codes 04157 and 04158 for detailed content descriptions. (Available SY 2011-.)

**04004A000 AP Human Geography****AP Course**

Following the College Board's suggested curriculum designed to parallel college-level Human Geography courses, AP Human Geography introduces students to the systematic study of patterns and processes that have shaped the ways in which humans understand, use, and alter the earth's surface. Students use spatial concepts and landscape analysis to examine human social organization and its environmental consequences and also learn about the methods and tools geographers use in their science and practice. (Available SY 2011-.)

**04204A000 AP Macroeconomics****AP Course**

Following the College Board's suggested curriculum designed to parallel college-level macroeconomics, AP Macroeconomics courses provide students with a thorough understanding of the principles of economics that apply to an economic system as a whole. They place particular emphasis on the study of national income and price determination and developing students' familiarity with economic performance measures, economic growth, and international economics. (Available SY 2011-.)

**04203A000 AP Microeconomics****AP Course**

Following the College Board's suggested curriculum designed to parallel college-level microeconomics, AP Microeconomics courses provide students with a thorough understanding of the principles of economics that apply to the functions of individual decisionmakers (both consumers and producers). They place primary emphasis on the nature and functions of product markets, while also including a study of factor markets and the role of government in the economy. (Available SY 2011-.)



**04256A000 AP Psychology****AP Course**

Following the College Board's suggested curriculum designed to parallel a college-level introductory psychology course, AP Psychology courses introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals, expose students to each major subfield within psychology, and enable students to examine the methods and ethics that psychologists use in their science and practice. (Available SY 2011-.)

**04157A000 AP U.S. Government and Politics****AP Course**

Following the College Board's suggested curriculum designed to parallel college-level U.S. Government and Politics courses, these courses provide students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies and foundational documents. The courses generally cover foundations of American democracy, interaction among branches of government, political beliefs and behaviors, political participation, and civil rights and liberties. (Available SY 2011-.)

**04104A000 AP U.S. History****AP Course**

Following the College Board's suggested curriculum designed to parallel college-level U.S. History courses, AP U.S. History courses provide students with the analytical skills and factual knowledge necessary to address critically problems and materials in U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past. (Available SY 2011-.)

**04057A000 AP World History****AP Course**

Following the College Board's suggested curriculum designed to parallel college-level World History courses, AP World History courses examine world history from 8000 BCE to the present with the aim of helping students make connections of historical evolution across times and places. These courses highlight the interaction between humans and the environment; development and interaction of cultures; state-building, expansion and conflict; creation, expansion and interaction of economic systems; and development and transformation of social structures. (Available SY 2011-2023.)

**04067A000 AP World History: Modern****AP Course**

Following the College Board's suggested curriculum designed to parallel college-level World History courses, AP World History: Modern courses examine world history from 1200 CE to the present with the aim of helping students make connections of historical evolution across times and places. These courses highlight the interaction between humans and the environment; development and interaction of cultures; state-building, expansion and conflict; creation,

expansion and interaction of economic systems; development and transformation of social structures; and technology and innovation. (Available SY 2024-.)

#### **04164A000 Business Law**

Business Law courses present a history and philosophy of law and the legal system in the United States, with a particular emphasis on those topics affecting students as future business leaders and employees. Such topics may include contracts, commercial paper and debt instruments, property rights, employer/employee relationships, and constitutional rights and responsibilities. (Available SY 2011-.)

#### **04161A000 Civics**

Civics courses examine the general structure and functions of U.S. systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system. These courses do not typically delve to the same degree of detail into constitutional principles or the role of political parties and interest groups as do comprehensive courses in U.S. Government. (Available SY 2011-.)

#### **54161A000 Civics (prior-to-secondary)**

Civics courses examine the general structure and functions of American systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system. These courses do not typically delve into the same degree of detail on constitutional principles or the role of political parties and interest groups as do comprehensive courses in U.S. Government. (Available SY 2012-2023.)

#### **04202A000 Comparative Economics**

Comparative Economics courses offer students an opportunity to study different economies and economic systems, including an examination of various approaches to problems in micro- and macroeconomics. (Available SY 2011-.)

#### **04154A000 Comparative Government**

Comparative Government courses study the basic tenets of government, searching for the differences and similarities among several forms of government. These courses take a comparative approach to the study of government and politics, focusing on how the United States compares with other nations. (Available SY 2011-.)

### **04163A000 Consumer Law**

Consumer Law courses present a history and philosophy of law and the legal system in the United States, with a particular emphasis on those topics affecting students as consumers and young adults (such as contractual laws, laws pertaining to housing and marriage, and constitutional rights). (Available SY 2011-.)

### **04163A001 Consumer Law**

**CTE Course**

Consumer Law courses present a history and philosophy of law and the legal system in the United States, with a particular emphasis on those topics affecting students as consumers and young adults (such as contractual laws, laws pertaining to housing and marriage, and constitutional rights). (Available SY 2020-.)

### **04106A000 Contemporary U.S. Issues**

Contemporary U.S. Issues courses study the political, economic, and social issues facing the United States, with or without an emphasis on state and local issues. These courses may focus on current issues or may examine selected issues that span throughout the 20th century to the present. (Available SY 2011-.)

### **54106A000 Contemporary U.S. Issues (prior-to-secondary)**

Contemporary U.S. Issues courses study the political, economic, and social issues facing the United States, with or without an emphasis on state and local issues. These courses may focus on current issues or may examine selected issues that span throughout the 20th century to the present. (Available SY 2012-2023.)

### **04064A000 Contemporary World Issues**

Contemporary World Issues courses enable students to study political, economic, and social issues facing the world. These courses may focus on current issues, examine selected issues throughout the 20th century, and look at historical causes or possible solutions. (Available SY 2011-.)

### **54064A000 Contemporary World Issues (prior-to-secondary)**

Contemporary World Issues courses enable students to study political, economic, and social issues facing the world. These courses may focus on current issues, examine selected issues throughout the 20th century, and look at historical causes or possible solutions. (Available SY 2012-2023.)

**04166A002 Court Reporting & Stenography****CTE Course**

Court Reporting and Stenography is designed to prepare students to enter the field of shorthand reporting, court reporting, captioning and Communication Access Realtime Translation (CART). Students will continue to develop skills in the following areas: reading and translating stenographic notes; edit transcripts; demonstrate the printing of paper and pdf transcripts; modify, create, and use master dictionary and job dictionaries; develop familiarity with common materials in court reporting and stenography (e.g., jury charge, literary material, medical terminology, etc.). The course also provides preparation for Illinois Certified Shorthand Reporter (CSR) exam including developing speed to 180-225 words per minute on literary, jury charge, and Q&A material and preparation for the written knowledge portion of CSR by reviewing grammar, vocabulary, and technology. (Available SY 2021-.)

**04198A002 Court Reporting and Captioning Workplace Experience****CTE Course**

Court Reporting and Captioning Workplace Experience courses provide students with work experience in a field related to Court Reporting and Captioning. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

**04166A004 Court Reporting and Stenography Speedbuilding Lab****CTE Course**

Court Reporting and Stenography Speedbuilding Lab courses provide additional opportunities for students to develop speed and fluency to 225 words per minute in preparation for the Certified Shorthand Reporter (CSR) exam. Course topics could also include additional preparation for the written knowledge portion of the CSR exam and exploration of legal and medical terminology. (Available SY 2022-.)

**04102A000 Early U.S. History**

Early U.S. History courses examine the history of the United States from the colonial period to the Civil War or Reconstruction era (some courses end after this period). Some courses include North American history before European settlement, while others may begin at the formation of the new nation. These courses typically include a historical overview of political, military, scientific, and social developments. (Available SY 2011-.)

### **04201A000 Economics**

Economics courses provide students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. These courses may also cover topics such as principles of macroeconomics, international economics, and comparative economics. Economic principles may be presented in formal theoretical contexts, applied contexts, or both. (Available SY 2011-.)

### **04247A000 Economics—Independent Study**

Economics—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within the field of economics. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. (Available SY 2011-.)

### **04249A000 Economics—Other**

Other Economics courses. (Available SY 2011-.)

### **04248A000 Economics—Workplace Experience**

Economics—Workplace Experience courses provide work experience in a field related to economics. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **54047A000 Geography – Independent Study**

Geography--Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses may provide an opportunity for students to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. (Available SY 2012-2023.)

### **04047A000 Geography—Independent Study**

Geography—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. (Available SY 2011-.)

**04049A000 Geography—Other**

Other Geography courses. (Available SY 2011-.)

**04048A000 Geography—Workplace Experience**

Geography—Workplace Experience courses provide work experience in a field related to geography. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

**04197A000 Government, Politics and Law—Independent Study**

Government, Politics, and Law—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within one of the fields of Government, Politics, and Law. These courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. (Available SY 2011-.)

**04199A000 Government, Politics and Law—Other**

Other Government, Politics and Law courses. (Available SY 2011-.)

**04198A000 Government, Politics and Law—Workplace Experience**

Government, Politics, and Law—Workplace Experience courses provide students with work experience in a field related government, politics, and/or law. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

**54197A000 Government, Politics, and Law – Independent Study**

Government, Politics, and Law-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within one of the fields of Government, Politics, and Law. These courses may provide an opportunity for students to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. (Available SY 2012-2023.)

## **54199A000 Government, Politics, and Law – Other**

(Available SY 2012-2023.)

## **04302A000 Humanities**

Humanities courses examine and evoke student responses to human creative efforts and the world in particular historical periods and in particular cultures. Course content includes exploration, analysis, synthesis, and various responses to cultural traditions, including viewing, listening, speaking, reading, writing, performing, and creating. The courses may also examine relationships among painting, sculpture, architecture, and music. (Available SY 2011-.)

## **04301A000 Humanities Survey**

Humanities Survey courses provide an overview of major expressions of the cultural heritage of selected western and eastern civilizations. Content typically includes (but is not limited to) the examination of selected examples of art, music, literature, architecture, technology, philosophy, and religion of the cultures studied. These courses may also cover the languages and political institutions of these cultures. (Available SY 2011-.)

## **04347A000 Humanities—Independent Study**

Humanities—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within the field of humanities. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. (Available SY 2011-.)

## **04349A000 Humanities—Other**

Other Humanities courses. (Available SY 2011-.)

## **04348A000 Humanities—Workplace Experience**

Humanities—Workplace Experience courses provide work experience in a field related to humanities. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

**04206A000 IB Economics****IB Course**

Economics courses prepare students to take the International Baccalaureate Economics exams. The courses provide students with the basic tools of economic reasoning and teach them to use those tools to explain or interpret economic problems. Course content includes international and development economics, microeconomics, and macroeconomics. (Available SY 2011-.)

**04003A000 IB Geography****IB Course**

IB Geography courses prepare students to take the International Baccalaureate Geography exams. These courses integrate both physical and human geography and explore scientific and socio-economic methodologies and fieldwork. In general, IB Geography courses aim to help students understand the relationships within society, the relationships between society and the natural environment, and how those relationships change over time. (Available SY 2011-.)

**04169A000 IB Global Politics****IB Course**

IB Global Politics prepare students to take the International Baccalaureate Global Politics exams through the exploration of political concepts and development of an understanding of local, national, international, and global dimensions of political activity. Topics may include contemporary global political challenges. (Available SY 2021-.)

**04054A000 IB History****IB Course**

IB History courses prepare students to take the International Baccalaureate History exams. In these courses, students study historical developments at national, regional, and international levels; critically reflect on their relationship to the present; and explore the nature of historical documentation and the methods used by historians. IB History courses may survey the history of Europe and the Islamic world or focus on 20th-century topics in an international context and may enable students to undertake individual study on a subject of interest in greater detail and depth. (Available SY 2011-.)

**04171A000 IB Individuals and Societies, Middle Years Program****IB Course**

International Baccalaureate (IB) Individuals and Societies, Middle Years Program courses aim to develop the understanding and application of concepts (time, place and space, change, systems and global awareness) and skills (technical, analytical, problem solving, and investigative). Content may include topics such as geography, history, economics, politics, civics, sociology, anthropology, and psychology. These courses were formerly known as IB Humanities, Middle Years Program. (Available SY 2012-.)



**04066A000 IB Islamic History****IB Course**

IB Islamic History courses prepare students to take the International Baccalaureate History exams at either the Subsidiary or Higher level. These courses are designed to provide students with the means to acquire a deep and open understanding of Islamic history and to grasp its contribution to the history of the world. Possible topics covered include political, social, economic, and intellectual aspects of Islamic history. (Available SY 2011-2020.)

**04262A000 IB Organization Studies****IB Course**

IB Organization Studies courses prepare students to take the International Baccalaureate Organization Studies exams at either the Subsidiary or Higher levels. These IB courses provide a broad introduction to the principles and practices of enterprises engaged in producing, distributing, and exchanging goods and services in a variety of economic frameworks. A sample of topics explored within these courses include management styles and structures; decision-making methods; and methods for accounting, planning, and communication. (Available SY 2011-2020.)

**04309A000 IB Philosophy****IB Course**

IB Philosophy courses prepare students to take the International Baccalaureate Philosophy exams. These courses challenge students to reflect upon and question the bases of knowledge and experience, to develop critical and systematic thinking, and to carefully analyze and formulate rational arguments. Students closely examine conceptual themes and philosophical texts, and also undertake philosophical analysis of a non-philosophical stimulus, such as a painting or poem. (Available SY 2011-.)

**04257A000 IB Psychology****IB Course**

IB Psychology courses prepare students to take the International Baccalaureate Psychology exams. Course content includes biological, cognitive, and socio-cultural influences on human behavior, as well as experimental research methodology. Course content may also include the study of abnormal, developmental, health or sport psychology, the psychology of human relationships, and qualitative research in psychology. (Available SY 2011-.)

**04253A000 IB Social and Cultural Anthropology****IB Course**

IB Social and Cultural Anthropology courses prepare students to take the International Baccalaureate Social and Cultural Anthropology exams. The courses aim to promote students' awareness of underlying patterns and causes of social relationships and systems, preconceptions and assumptions within the social environment, and the use of ethnographic data in creating models, drawing inferences, and making comparisons. (Available SY 2011-.)

**04304A000 IB Theory of Knowledge****IB Course**

Obligatory for every International Baccalaureate Diploma degree candidate, IB Theory of Knowledge courses aim to stimulate critical self-reflection of students' knowledge and experiences. Course content generates questions regarding the bases of knowledge and their verification in the disciplines of mathematics, natural sciences, human sciences, the arts, history, ethics, religious knowledge systems, and indigenous knowledge systems, with an awareness of moral, political, and aesthetic judgments and biases. Students learn to appreciate the strengths and limitations of various kinds of knowledge; to relate studied subjects to one another, general knowledge, and living experiences; to formulate rational arguments; and to evaluate the role of language in knowledge and as a way to convey knowledge. (Available SY 2011-.)

**04155A000 International Relations**

International Relations courses provide students with an introduction to the relationships that exist among nations, including an examination of the modern state; the foreign policies of nations; the dynamics of nationalism, ideology, and culture; and the role of international organizations. The courses may also emphasize contemporary events. (Available SY 2011-.)

**04166A003 Introduction to Stenography and Machine Shorthand Theory****CTE Course**

Introduction to Stenography and Machine Shorthand Theory introduces students to the fields of shorthand reporting, court reporting, captioning and Communication Access Realtime Translation (CART). The course provides an examination of the history of reporting, equipment needs, technological trends, and the roles of reporters within legal system, communications, business environment, and educational system. Additional topics include an introduction to theory, keyboard familiarization, vowel usage, punctuation, numbers, high-frequency words, and advanced writing principles. Students will begin developing foundational real-time writing skills and keyboard mastery through practice of finger drills and sentence drills involving high-frequency words and phrases. (Available SY 2022-.)

**04303A000 Issues of Western Humanities**

Issues of Western Humanities courses introduce students to the study of the cultural heritage of human beings and provide an opportunity to explore our fundamental humanity. The content typically includes definitions of the humanities in relation to history, literature, religion, philosophy, art, music, and architecture and study of the cultures of Greece, Rome, and one or more settings in contemporary periods. Students are asked to analyze and clarify their sense of themselves; examine and clarify their responsibilities in relation to those of others; examine philosophies concerning moral responsibility for the future; and examine philosophies about human mortality. (Available SY 2011-.)

### **04162A000 Law Studies**

Law Studies courses examine the history and philosophy of law as part of U.S. society and include the study of the major substantive areas of both criminal and civil law, such as constitutional rights, torts, contracts, property, criminal law, family law, and equity. Although these courses emphasize the study of law, they may also cover the workings of the legal system. (Available SY 2011-.)

### **04162A001 Law Studies**

### **CTE Course**

Law Studies courses examine the history and philosophy of law as part of U.S. society and include the study of the major substantive areas of both criminal and civil law, such as constitutional rights, torts, contracts, property, criminal law, family law, and equity. Although these courses emphasize the study of law, they may also cover the workings of the legal system. (Available SY 2012-.)

### **04198A001 Legal Assistant/Paralegal Workplace Experience**

### **CTE Course**

Legal Assistant/Paralegal Workplace Experience courses provide students with work experience in a field related to legal assisting. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **04165A000 Legal System**

Legal System courses examine the workings of the U.S. criminal and civil justice systems, including providing an understanding of civil and criminal law and the legal process, the structure and procedures of courts, and the role of various legal or judicial agencies. Although these courses emphasize the legal process, they may also cover the history and foundation of U.S. law (the Constitution, statutes, and precedents). Course content may also include contemporary problems in the criminal justice system. (Available SY 2011-.)

### **04165A001 Legal System**

### **CTE Course**

Legal System courses examine the workings of the U.S. criminal and civil justice systems, including providing an understanding of civil and criminal law and the legal process, the structure and procedures of courts, and the role of various legal or judicial agencies. Although these

courses emphasize the legal process, they may also cover the history and foundation of U.S. law (the Constitution, statutes, and precedents). Course content may also include contemporary problems in the criminal justice system. (Available SY 2012-.)

#### **04209A000 Macroeconomics**

Macroeconomics courses provide students with an understanding of the principles of economics that apply to the performance, structure, behavior, and decision-making of an economy (regional, national, or global) as a whole. Economic principles may be presented in a formal theoretical context, applied contexts, or both. (Available SY 2021-.)

#### **04059A000 Medieval European History**

Medieval European History courses provide a survey of European civilization from the fall of Rome through the late Middle Ages. (Available SY 2011-.)

#### **04208A000 Microeconomics**

Microeconomics courses provide students with an understanding of the principles of economics that apply to the decision-making behaviors of individuals. Economic principles may be presented in a formal theoretical context, applied contexts, or both. (Available SY 2021-.)

#### **04055A000 Modern European History**

Modern European History courses examine the development of political, social, and economic movements in Europe over the past few centuries (from the Renaissance period, or later, to the contemporary period) and usually include such topics as the rise of the modern nation state, scientific and industrial revolutions, the age of exploration and nationalism, imperialism, and world war. (Available SY 2011-.)

#### **04308A000 Modern Intellectual History**

Modern Intellectual History courses provide a historical overview of modern intellectual movements, generally drawing from different disciplines such as political science, economics, and philosophy. (Available SY 2011-.)

### **04103A000 Modern U.S. History**

Modern U.S. History courses examine the history of the United States from the Civil War or Reconstruction era (some courses begin at a later period) through the present time. These courses typically include a historical review of political, military, scientific, and social developments. (Available SY 2011-.)

### **04053A000 Modern World History**

Modern World History courses provide an overview of the history of human society in the past few centuries—from the Renaissance period, or later, to the contemporary period—exploring political, economic, social, religious, military, scientific, and cultural developments. (Available SY 2011-.)

### **04166A001 Paralegal Studies**

**CTE Course**

This course provides an introduction to the legal system and the paralegal profession. Students will analyze the training and role of the paralegal as well as the ethical and professional practice standards applicable to both lawyers and paralegals. Topics might also include legal terminology, legal citation, ethics, investigation skills, and a thorough discussion of the structure of both the federal and state judicial systems. (Available SY 2021-.)

### **04252A000 Particular Topics in Anthropology**

These courses examine a particular topic in anthropology, such as physical anthropology, cultural anthropology, or archeology, rather than provide a more comprehensive overview of the field. (Available SY 2011-.)

### **04207A000 Particular Topics in Economics**

These courses examine a particular topic in Economics rather than provide a general overview of the field. Course topics may include international economics, economic development and growth of a particular country or region, or resource allocation. (Available SY 2011-.)

### **04002A000 Particular Topics in Geography**

Particular Topics in Geography courses examine a particular topic in geography, such as physical or cultural geography, or the geography of a particular area or region, rather than provide an overview of the field. (Available SY 2011-.)

### **54002A000 Particular Topics in Geography (prior-to-secondary)**

Particular Topics in Geography courses examine a particular topic in geography, such as physical or cultural geography, or the geography of a particular area or region, rather than provide an overview of the field. (Available SY 2012-2023.)

### **04310A000 Particular Topics in Humanities**

These courses cover particular topics in humanities such as the interrelationships among painting, sculpture, architecture, and music or the exploration of a particular time period rather than provide a general overview of the subject. (Available SY 2011-.)

### **04166A000 Particular Topics in Law**

These courses examine a particular topic in law such as the Constitution, specific statutes, or the legal process rather than provide an overview. (Available SY 2011-.)

### **04307A000 Particular Topics in Philosophy**

These courses examine a particular topic in philosophy, such as aesthetic judgment, ethics, cosmology, or the philosophy of knowledge, rather than providing a more general overview of the subject. (Available SY 2011-.)

### **04255A000 Particular Topics in Psychology**

These courses examine a particular topic in psychology, such as human growth and development or personality, rather than provide a more comprehensive overview of the field. (Available SY 2011-.)

### **04259A000 Particular Topics in Sociology**

These courses examine a particular topic in sociology, such as culture and society or the individual in society, rather than provide an overview of the field of sociology. (Available SY 2011-.)

### **04152A000 Particular Topics in U.S. Government**

These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many

topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress, or the Office of the President. (Available SY 2011-.)

#### **04109A000 Particular Topics in U.S. History**

These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular U.S. regions rather than provide an overview of the subject. (Available SY 2011-.)

#### **04065A000 Particular Topics in World History**

These courses examine particular topics in world history other than those already described elsewhere in this classification system. (Available SY 2011-.)

#### **04306A000 Philosophy**

Philosophy courses introduce students to the discipline of philosophy as a way to analyze the principles underlying conduct, thought, knowledge, and the nature of the universe. Course content typically includes examination of the major philosophers and their writings. (Available SY 2011-.)

#### **04153A000 Political Science**

Political Science courses approach the study of politics from a theoretical perspective, including an examination of the role of government and the nature of political behavior, political power, and political action. (Available SY 2011-.)

#### **04052A001 Pre-AP World History and Geography**

#### **Pre-AP Course**

Pre-AP World History and Geography emphasizes investigative practices of historians and geographers by asking students to interact with primary and secondary sources as they evaluate evidence, explain historical and geographic relationships, and incorporate evidence in their own arguments. Key concepts are organized by units, beginning with geography and world regions followed by three historical periods. Schools select either Pathway 1, which includes developments in world history from the ancient period through c.1450 CE, or Pathway 2, which includes developments in world history from c. 1450 CE through the present. Pre-AP courses follow College Board program requirements that lead to official authorization on Course Ledger. (Available SY 2022-.)

### **04254A000 Psychology**

Psychology courses introduce students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology. (Available SY 2011-.)

### **04167A000 Simulated Political Process**

Simulated Political Process courses provide students with the opportunity to confront and resolve national and international issues by mirroring local, national, or international governmental bodies. These courses focus on government and international relations, conflict resolution, and policies and procedures of government. Course topics may include simulations of jury trials and national or international governmental organizations. (Available SY 2021-.)

### **04260A000 Social Science**

Social Science courses provide students with an introduction to the various disciplines in the social sciences, including anthropology, economics, geography, history, political science, psychology, and sociology. Typically, these courses emphasize the methodologies of the social sciences and the differences among the various disciplines. (Available SY 2011-.)

### **04261A000 Social Science Research**

Social Science Research courses emphasize the methods of social science research, including statistics and experimental design. (Available SY 2011-.)

### **54997A000 Social Sciences and History – Independent Study**

Social Sciences and History-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within one of the fields of social studies. These courses provide an opportunity for students to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. (Available SY 2012-2023.)

### **54999A000 Social Sciences and History – Other**

(Available SY 2012-2023.)



### **54996A000 Social Sciences and History – Supplemental**

Social Sciences and History-Supplemental courses, designed to be taken in addition to or in coordination with other social sciences and history courses, provide instruction to assist students in acquiring social studies/social science skills so that students attain necessary grade-level skills or reach a desired competency level. (Available SY 2012-2023.)

### **04995A000 Social Sciences and History—Aide**

Social Sciences and History—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

### **04997A000 Social Sciences and History—Independent Study**

Social Sciences and History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within one of the fields of social studies. These courses provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. (Available SY 2011-.)

### **04999A000 Social Sciences and History—Other**

Other Social Sciences and History courses. (Available SY 2011-.)

### **04994A000 Social Sciences and History—Proficiency Development**

Social Sciences and History—Proficiency Development courses are designed to assist students in acquiring the skills necessary to pass proficiency examinations related to history and/or other social sciences. (Available SY 2011-.)

### **04996A000 Social Sciences and History—Supplemental**

Social Sciences and History—Supplemental courses, designed to be taken in addition to or in coordination with other social sciences and history courses, provide instruction to assist students in acquiring social studies/social science skills so that students attain necessary grade-level skills or reach a desired competency level. (Available SY 2021-.)

### **04998A000 Social Sciences and History—Workplace Experience**

Social Sciences and History—Workplace Experience courses provide work experience in a field related to social sciences and/or history. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **04297A000 Social Sciences—Independent Study**

Social Sciences—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within one of the social science fields. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. (Available SY 2011-.)

### **04299A000 Social Sciences—Other**

Other Social Studies courses. (Available SY 2011-.)

### **04298A000 Social Sciences—Workplace Experience**

Social Sciences—Workplace Experience courses provide work experience in a field related to the social sciences. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **04305A000 Social Studies**

Social Studies courses enable students to study a group of related subjects addressing the elements and structures of human society that may include economics, geography, history, citizenship, and other social studies-related disciplines. (Available SY 2011-.)

### **04428A000 Social Studies (early childhood education)**

Social Studies (early childhood education) courses provide a developmentally appropriate understanding of social studies concepts, helping students begin to develop an understanding of self and others; the concept of time (past and present events); and skills conducive to citizenship, such as group decision making. Content is age appropriate and conforms to any existing state standards for early childhood education. (Available SY 2024-.)

### **54428A000 Social Studies (early childhood education)**

Social Studies (early childhood education) courses provide a developmentally appropriate understanding of social studies concepts, helping students begin to develop an understanding of self and others; the concept of time (past and present events); and skills conducive to citizenship, such as group decision making. Content is age appropriate and conforms to any existing state standards for early childhood education. (Available SY 2012-2023.)

### **54431A000 Social Studies (grade 1)**

Social Studies (grade 1) courses develop foundational skills in the social studies disciplines: history, geography, civics and government, and economics. These disciplines are often taught together and organized around a theme. Specific content depends upon state standards for grade 1. (Available SY 2012-2023.)

### **04431A000 Social Studies (grade 1)**

Social Studies (grade 1) courses develop foundational skills in the social studies disciplines: history, geography, civics and government, and economics. These disciplines are often taught together and organized around a theme. Specific content depends upon state standards for grade 1. (Available SY 2024-.)

### **04432A000 Social Studies (grade 2)**

Social Studies (grade 2) courses help students reach greater understanding of the social studies disciplines: history, geography, civics and government, and economics. Courses often offer study of these disciplines in an integrated fashion, through the context of a specific theme or discipline, such as state-based social studies or the history of a people. Specific content depends upon state standards for grade 2. (Available SY 2024-.)

### **54432A000 Social Studies (grade 2)**

Social Studies (grade 2) courses help students reach greater understanding of the social studies disciplines: history, geography, civics and government, and economics. Courses often offer study of these disciplines in an integrated fashion, through the context of a specific theme or discipline, such as state-based social studies or the history of a people. Specific content depends upon state standards for grade 2. (Available SY 2012-2023.)

### **54433A000 Social Studies (grade 3)**

Social Studies (grade 3) courses build on previous knowledge and introduce concepts in the social studies disciplines: history, geography, civics and government, and economics. Instruction of the disciplines is often integrated for instructional purposes. Students may study these disciplines through the context of a specific theme or discipline, such as state-based social studies or U.S. history. Specific content depends upon state standards for grade 3. (Available SY 2012-2023.)

### **04433A000 Social Studies (grade 3)**

Social Studies (grade 3) courses build on previous knowledge and introduce concepts in the social studies disciplines: history, geography, civics and government, and economics. Instruction of the disciplines is often integrated for instructional purposes. Students may study these disciplines through the context of a specific theme or discipline, such as state-based social studies or U.S. history. Specific content depends upon state standards for grade 3. (Available SY 2024-.)

### **04434A000 Social Studies (grade 4)**

Social Studies (grade 4) courses continue to develop skills in history, geography, civics and government, and economics. Although the four disciplines are typically integrated, these courses may take a more discipline-specific approach, such as concentrating on U.S. history, state-specific history, or civic engagement for periods of time. Specific content depends upon state standards for grade 4. (Available SY 2024-.)

### **54434A000 Social Studies (grade 4)**

Social Studies (grade 4) courses continue to develop skills in history, geography, civics and government, and economics. Although the four disciplines are typically integrated, these courses may take a more discipline-specific approach, such as concentrating on U.S. history, state-specific history, or civic engagement for periods of time. Specific content depends upon state standards for grade 4. (Available SY 2012-2023.)

### **54435A000 Social Studies (grade 5)**

Social Studies (grade 5) courses continue to develop skills in history, geography, civics and government, and economics. These courses may be more discipline-specific (dividing up state history, U.S. history, geography, government, and so on). Specific content depends upon state standards for grade 5. (Available SY 2012-2023.)

**04435A000 Social Studies (grade 5)**

Social Studies (grade 5) courses continue to develop skills in history, geography, civics and government, and economics. These courses may be more discipline-specific (dividing up state history, U.S. history, geography, government, and so on). Specific content depends upon state standards for grade 5. (Available SY 2024-.)

**04436A000 Social Studies (grade 6)**

Social Studies (grade 6) courses provide a greater understanding of social studies disciplines, including history, geography, civics and government, and economics. These courses often focus on the history, culture, and government of various specific world societies. Typically, students develop skills used in the social studies disciplines. Specific content depends upon state standards for grade 6. (Available SY 2024-.)

**54436A000 Social Studies (grade 6)**

Social Studies (grade 6) courses provide a greater understanding of social studies disciplines, including history, geography, civics and government, and economics. These courses often focus on the history, culture, and government of various specific world societies. Typically, students develop skills used in the social studies disciplines. Specific content depends upon state standards for grade 6. (Available SY 2012-2023.)

**54437A000 Social Studies (grade 7)**

Social Studies (grade 7) courses provide continued development of understanding and skills in the social studies disciplines: history, geography, civics and government, and economics. Specific content depends upon state standards for grade 7. (Available SY 2012-2023.)

**04437A000 Social Studies (grade 7)**

Social Studies (grade 7) courses provide continued development of understanding and skills in the social studies disciplines: history, geography, civics and government, and economics. Specific content depends upon state standards for grade 7. (Available SY 2024-.)

**04438A000 Social Studies (grade 8)**

Social Studies (grade 8) courses provide continued development of understanding and skills in the social studies disciplines: history, geography, civics and government, and economics. Typically, these courses focus on single disciplines at a time (e.g., state-specific history and government,

U.S. history, world history, or civics) to develop discipline-related skills. Specific content depends upon state standards for grade 8. (Available SY 2024-.)

#### **54438A000 Social Studies (grade 8)**

Social Studies (grade 8) courses provide continued development of understanding and skills in the social studies disciplines: history, geography, civics and government, and economics. Typically, these courses focus on single disciplines at a time (e.g., state-specific history and government, U.S. history, world history, or civics) to develop discipline-related skills. Specific content depends upon state standards for grade 8. (Available SY 2012-2023.)

#### **04430A000 Social Studies (kindergarten)**

Social Studies (kindergarten) courses generally provide initial foundations in the social studies disciplines: history, geography, civics and government, and economics. Specific content depends upon state standards for kindergarten. (Available SY 2024-.)

#### **54430A000 Social Studies (kindergarten)**

Social Studies (kindergarten) courses generally provide initial foundations in the social studies disciplines: history, geography, civics and government, and economics. Specific content depends upon state standards for kindergarten. (Available SY 2012-2023.)

#### **54429A000 Social Studies (pre-kindergarten)**

Social Studies (pre-kindergarten) courses provide a developmentally appropriate understanding of social studies concepts, helping students begin to develop an understanding of self and others; the concept of time (past and present events); and skills conducive to citizenship, such as group decision making. Content is age appropriate and conforms to any existing state standards for pre-kindergarten education. (Available SY 2012-2023.)

#### **04429A000 Social Studies (pre-kindergarten)**

Social Studies (pre-kindergarten) courses provide a developmentally appropriate understanding of social studies concepts, helping students begin to develop an understanding of self and others; the concept of time (past and present events); and skills conducive to citizenship, such as group decision making. Content is age appropriate and conforms to any existing state standards for pre-kindergarten education. (Available SY 2024-.)

### **54439A000 Social Studies—General**

Social Studies—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Social Studies, early childhood education through grade 8.) (Available SY 2012-2023.)

### **04439A000 Social Studies—General**

Social Studies—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Social Studies, early childhood education through grade 8.) (Available SY 2024-.)

### **04258A000 Sociology**

Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society. (Available SY 2011-.)

### **04105A000 State-Specific Studies**

State-Specific Studies courses examine the history, politics, economics, society, and/or cultures of one state in the United States. This course may focus primarily on the history of that state or may take an interdisciplinary approach to the contemporary issues affecting it. (Available SY 2011-.)

### **54105A000 State-Specific Studies (prior-to-secondary)**

State-Specific Studies courses examine the history, politics, economics, society, and/or cultures of one state in the United States. This course may focus primarily on the history of that state or may take an interdisciplinary approach to the contemporary issues affecting it. (Available SY 2012-2023.)

### **04107A000 U.S. Ethnic Studies**

U.S. Ethnic courses examine the history, politics, economics, society, and/or culture of one or more of the racial/ethnic groups in the United States. These courses may focus primarily on the

history of an individual racial/ethnic group or may take a more comprehensive approach to studying the contemporary issues affecting racial/ethnic groups overall. (Available SY 2011-.)

#### **54107A000 U.S. Ethnic Studies (prior-to-secondary)**

U.S. Ethnic Studies courses examine the history, politics, economics, society, and/or culture of one or more of the racial/ethnic groups in the United States. These courses may focus primarily on the history of an individual racial/ethnic group or may take a more comprehensive approach to studying the contemporary issues affecting racial/ethnic groups overall. (Available SY 2012-2023.)

#### **04108A000 U.S. Gender Studies**

U.S. Gender Studies courses examine the history, politics, economics, and/or culture of gender in U.S. society. These courses may focus primarily on gender relations or may take a more comprehensive approach to studying the contemporary issues related to gender. (Available SY 2011-.)

#### **04005A000 U.S. Geography**

U.S. Geography courses provide an overview of the geography of the United States. Topics typically include the physical environment, the political landscape, the relationship between people and the land, and economic production and development. (Available SY 2021-.)

#### **54003A000 U.S. Geography (prior-to-secondary)**

U.S. Geography courses provide an overview of the geography of the United States. Topics typically include the physical environment, the political landscape, the relationship between people and the land, and economic production and development. (Available SY 2012-2023.)

#### **54151A000 U.S. Government – Comprehensive**

U.S. Government-Comprehensive courses provide an overview of the structure and functions of the U.S. government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics. (Available SY 2012-2023.)



### **04160A000 U.S. Government, Civics, and Economics**

U.S. Government, Civics, and Economics courses combine a study of the structure of national, state, and local U.S. government with an overview of the principles of market economics. Course content may include contemporary U.S. issues. These courses prepare students to perform effectively as informed citizens. (Available SY 2011-.)

### **04151A000 U.S. Government—Comprehensive**

U.S. Government—Comprehensive courses provide an overview of the structure and functions of the U.S. government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics. (Available SY 2011-.)

### **54101A000 U.S. History – Comprehensive**

U.S. History-Comprehensive courses provide an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement. (Available SY 2012-2023.)

### **54147A000 U.S. History – Independent Study**

U.S. History-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide an opportunity for students to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **54149A000 U.S. History – Other**

(Available SY 2012-2023.)

### **04101A000 U.S. History—Comprehensive**

U.S. History—Comprehensive courses provide students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social

developments. Course content may include a history of the North American peoples before European settlement. (Available SY 2011-.)

#### **04147A000 U.S. History—Independent Study**

U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

#### **04149A000 U.S. History—Other**

Other U.S. History courses. (Available SY 2011-.)

#### **04148A000 U.S. History—Workplace Experience**

U.S. History—Workplace Experience courses provide work experience in a field related to U.S. history. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

#### **04110A000 U.S. Wars and Military Conflicts**

U.S. Wars and Military Conflicts courses focus on the study of one or more wars and major military conflicts in which the United States had a significant role. These courses concentrate on one of many topics related to war, including the causes; U.S. involvement; and social, political, and economic effects. Specific wars may include the Revolutionary War, American Civil War, World War I, World War II, Korean War, Vietnam War, Gulf War, or other contemporary military conflicts. (Available SY 2021-.)

#### **04156A000 United States and World Affairs**

United States and World Affairs courses provide a study of global interrelationships. Topics covered may include geographic, political, economic, and social issues of a particular country or region, with an emphasis on how these issues influence (or are influenced by) the way in which the United States relates to other countries in an interdependent world context. (Available SY 2011-.)

### **04063A000 Western Civilization**

Western Civilization courses apply an interdisciplinary approach to the study of western cultural traditions, frequently using a chronological framework. Course content typically includes a survey of the major developments in and contributors to art and architecture, literature, religion and philosophy, and culture. These courses may also cover intellectual and political movements. (Available SY 2011-.)

### **54063A000 Western Civilization (prior-to-secondary)**

Western Civilization courses apply an interdisciplinary approach to the study of Western cultural traditions, frequently using a chronological framework. Course content typically includes a survey of the major developments in and contributors to art and architecture, literature, religion and philosophy, and culture. These courses may also cover intellectual and political movements. (Available SY 2012-2023.)

### **04061A000 World Area Studies**

World Area Studies courses examine the history, politics, economics, society, and/or culture of one or more regions of the world, such as Africa, Latin America, the former Soviet Union, Far East Asia, and the Middle East. These courses may focus primarily on the history of a particular region or may take an interdisciplinary approach to the contemporary issues affecting the region. Furthermore, these courses may emphasize one particular country (other than the United States), rather than emphasizing a region or continent. (Available SY 2011-.)

### **54061A000 World Area Studies (prior-to-secondary)**

World Area Studies courses examine the history, politics, economics, society, and/or culture of one or more regions of the world, such as Africa, Latin America, the former Soviet Union, Far East Asia, and the Middle East. These courses may focus primarily on the history of a particular region or may take an interdisciplinary approach to the contemporary issues affecting the region. Furthermore, these courses may emphasize one particular country (other than the United States) rather than a region or continent. (Available SY 2012-2023.)

### **04001A000 World Geography**

World Geography courses provide students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas. (Available SY 2011-.)

### **54001A000 World Geography (prior-to-secondary)**

World Geography courses provide an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas. (Available SY 2012-2023.)

### **54097A000 World History – Independent Study**

World History-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses may provide an opportunity for students to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. (Available SY 2012-2023.)

### **54051A000 World History – Overview**

World History--Overview courses provide an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History--Overview courses may include geographical studies, but often these components are not as explicitly taught as geography. (Available SY 2012-2023.)

### **04052A000 World History and Geography**

In addition to covering the objectives of World History—Overview courses, World History and Geography courses provide an overview of world geography. These courses are often developed in response to increased national concern regarding the importance of geography, and they explore geographical concepts. (Available SY 2011-.)

### **04097A000 World History—Independent Study**

World History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. (Available SY 2011-.)

### **04099A000 World History—Other**

Other World History courses. (Available SY 2011-.)

### **04051A000 World History—Overview**

World History—Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History—Overview courses may include geographical studies, but often these components are not as explicitly taught as geography. (Available SY 2011-.)

### **04098A000 World History—Workplace Experience**

World History—Workplace Experience courses provide work experience in a field related to world history. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **04062A000 World People Studies**

World People Studies courses allow students to study various types of subgroups that have something in common such as religion, gender, or culture. Similar in style to World Area Studies, but focusing on a group of people rather than on a specific region, these courses examine a subgroup's history, politics, economics, and/or culture. (Available SY 2011-.)

### **54062A000 World People Studies (prior-to-secondary)**

World People Studies courses allow students to study various types of subgroups that have something in common such as religion, gender, or culture. Similar in style to World Area Studies, but focusing on a group of people rather than on a specific region, these courses examine a subgroup's history, politics, economics, and/or culture. (Available SY 2012-2023.)

## **05 Fine and Performing Arts**

### **05163A000 Advertising Design**

Advertising Design courses emphasize applying the fundamental processes of artistic expression used in the fields of advertising and commercial art for the purpose of visual communication. These courses offer practical experiences in generating advertisements, commercial art, logos, executing layouts, illustrations, displays, lettering, and works with a variety of media, techniques, and processes. They also include preparing artwork for reproduction and presentation. Advertising Design courses present an historical and contemporary view of advertising art and commercial art. Students learn and practice responding to their own art and that of others including professional designers through analysis, critique, and interpretation for the purpose of reflecting on and refining work. (Available SY 2011-.)

### **05177A000 Animation**

Animation courses focus on the fundamental processes of artistic expression as applied to creative and conceptual aspects of designing and producing two- or three-dimensional animated images for storytelling and multimedia presentations. These courses emphasize the interactive use of drawing and design fundamentals, storyboarding, composition and imaging, audio and sound creation, editing and presentation. Students learn to use various media, techniques, and processes necessary for animation development. Courses may also include a study of the history of animation, its aesthetic issues, and roles and functions. Students engage in critique of their animated work, the animated works of other students, and works by professional animators to reflect on and refine work. (Available SY 2021-.)

### **05153A000 AP Art—History of Art**

**AP Course**

Designed to parallel college-level Art History courses, AP Art History courses provide the opportunity for students to critically examine and respond to works of art within their historical and cultural contexts. In covering the art and movements of several centuries (not necessarily in chronological order), students learn to identify different styles, techniques, media and influences. Students formulate and articulate their reactions to various kinds of artwork to understand and appreciate themselves, others, and the world around them. (Available SY 2011-.)

### **05172A000 AP Drawing**

**AP Course**

AP Drawing is designed for students with a professional or academic interest in the art of drawing. These courses focus on a variety of concepts and approaches in drawing, enabling students to demonstrate a depth of knowledge of the processes, and a range of abilities, and versatility with media, technique, problem solving, and scope. They can demonstrate such conceptual variety through either the use of one or the use of several media. These courses enable students to refine

their skills and create artistic works to submit via portfolio to the College Board for evaluation. (Available SY 2011-.)

**05114A000 AP Music Theory**

**AP Course**

AP Music Theory courses are designed to be the equivalent of a first-year music theory college course as specified by the College Board. AP Music Theory develops students' understanding of musical structure and compositional procedures. Usually intended for students who already possess performance-level skills, AP Music Theory courses extend and build upon students' knowledge of intervals, scales, chords, metric/rhythmic patterns, and the ways they interact in a composition. Musical notation, analysis, composition, and aural skills are important components of the course. (Available SY 2011-.)

**05174A000 AP Studio Art: 2-D Design**

**AP Course**

AP 2-D Art and Design courses are designed for students with a professional or academic interest in two-dimensional art. These courses focus on a variety of concepts and approaches in drawing and 2-D design, enabling students to demonstrate a range of abilities and versatility with media, technique, problem solving, and scope. Such conceptual variety can be demonstrated through the use of one or several media. Students refine their skills and create artistic works to submit via a portfolio to the College Board for evaluation. (Available SY 2015-.)

**05175A000 AP Studio Art: 3-D Design**

**AP Course**

AP 3-D Art and Design courses are designed for students with a professional or academic interest in three-dimensional art. These courses focus on a variety of concepts and approaches in 3-D design and creation, enabling students to demonstrate a range of abilities and versatility with media, technique, problem solving, and scope. They can demonstrate such conceptual variety through the use of one or several media. Students refine their skills and create artistic works to submit via portfolio to the College Board for evaluation. (Available SY 2015-.)

**05171A000 AP Studio Art—General Portfolio**

**AP Course**

Designed for students with a serious interest in art, AP Studio Art—General Portfolio courses enable students to refine their skills and create artistic works to be submitted to the College Board for evaluation. Given the nature of the AP evaluation, the courses typically emphasize quality of work, attention to and exploration of a particular visual interest or problem, and breadth of experience in the formal, technical, and expressive aspects of the student's art. AP Studio Art—General Portfolio evaluations require submission of artwork exemplifying talent in drawing, color organization, design, and sculpture. (Available SY 2011-2020.)

### **05192A000 Architectural Design**

Architectural Design courses emphasize applying the fundamental processes of artistic expression to designing buildings, open areas, communities, and environments with an aesthetic effect. Students analyze and apply a variety of media, techniques, and processes to create architectural structures that incorporate aesthetics, functionality, and usability. Architectural Design courses may also include an understanding of aesthetic issues associated with designing such structures. Students study architectural designs throughout history, contemporary society, and many world cultures. Students engage in critique of their architectural designs, the designs of others, and designs by professional architects for the purpose of reflecting on and refining work for presentation. (Available SY 2021-.)

### **05178A000 Art (early childhood education)**

Art (early childhood education) courses provide to students developmentally appropriate activities to foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for early childhood education. (Available SY 2024-.)

### **55178A000 Art (early childhood education)**

Art (early childhood education) courses provide to students developmentally appropriate activities to foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for early childhood education. (Available SY 2012-2023.)

### **55181A000 Art (grade 1)**

Art (grade 1) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, and strengthen their critical abilities. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for grade 1. (Available SY 2012-2023.)



**05181A000 Art (grade 1)**

Art (grade 1) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, and strengthen their critical abilities. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for grade 1. (Available SY 2024-.)

**05182A000 Art (grade 2)**

Art (grade 2) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, and strengthen their critical abilities. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for grade 2. (Available SY 2024-.)

**55182A000 Art (grade 2)**

Art (grade 2) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, and strengthen their critical abilities. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for grade 2. (Available SY 2012-2023.)

**55183A000 Art (grade 3)**

Art (grade 3) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, and strengthen their critical abilities. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for grade 3. (Available SY 2012-2023.)

**05183A000 Art (grade 3)**

Art (grade 3) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, and strengthen their critical abilities. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for grade 3. (Available SY 2024-.)

**05184A000 Art (grade 4)**

Art (grade 4) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, make connections to other content areas, develop their own aesthetic, and strengthen their critical abilities. Although typically involving the visual arts (drawing, painting, sculpture, crafts, and the like), these courses may also include other forms of art (for example, dance, music, and theater). Specific course content conforms to any existing state standards for grade 4. (Available SY 2024-.)

**55184A000 Art (grade 4)**

Art (grade 4) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, make connections to other content areas, develop their own aesthetic, and strengthen their critical abilities. Although typically involving the visual arts (drawing, painting, sculpture, crafts, and the like), these courses may also include other forms of art (for example, dance, music, and theater). Specific course content conforms to any existing state standards for grade 4. (Available SY 2012-2023.)

**55185A000 Art (grade 5)**

Art (grade 5) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, make connections to other content areas, develop their own aesthetic, and strengthen their critical abilities. Although typically involving the visual arts (drawing, painting, sculpture, crafts, and the like), these courses may also include other forms of art (for example, dance, music, and theater). Specific course content conforms to any existing state standards for grade 5. (Available SY 2012-2023.)

**05185A000 Art (grade 5)**

Art (grade 5) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, make connections to other content areas, develop their own aesthetic, and strengthen their critical abilities. Although typically involving the visual arts (drawing, painting, sculpture, crafts, and the like), these courses may also include other forms of art (for example, dance, music, and theater). Specific course content conforms to any existing state standards for grade 5. (Available SY 2024-.)

**05186A000 Art (grade 6)**

Art (grade 6) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, make connections to other content areas, develop their own aesthetic, and strengthen their critical abilities. Although typically involving the visual arts (drawing, painting, sculpture, crafts, and the like), these courses may also include other forms of art (for example, dance, music, and theater). Specific course content conforms to any existing state standards for grade 6. (Available SY 2024-.)

**55186A000 Art (grade 6)**

Art (grade 6) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, make connections to other content areas, develop their own aesthetic, and strengthen their critical abilities. Although typically involving the visual arts (drawing, painting, sculpture, crafts, and the like), these courses may also include other forms of art (for example, dance, music, and theater). Specific course content conforms to any existing state standards for grade 6. (Available SY 2012-2023.)

**55187A000 Art (grade 7)**

Art (grade 7) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, make connections to other content areas, develop their own aesthetic, and strengthen their critical abilities. Although typically involving the visual arts (drawing, painting, sculpture, crafts, and the like), these courses may also include other forms of art (for example, dance, music, and theater). Specific course content conforms to any existing state standards for grade 7. (Available SY 2012-2023.)

**05187A000 Art (grade 7)**

Art (grade 7) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, make connections to other content areas, develop their own aesthetic, and strengthen their critical abilities. Although typically involving the visual arts (drawing, painting, sculpture, crafts, and the like), these courses may also include other forms of art (for example, dance, music, and theater). Specific course content conforms to any existing state standards for grade 7. (Available SY 2024-.)

**05188A000 Art (grade 8)**

Art (grade 8) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, make connections to other content areas, develop their own aesthetic, and strengthen their critical abilities. Although typically involving the visual arts (drawing, painting, sculpture, crafts, and the like), these courses may also include other forms of art (for example, dance, music, and theater). Specific course content conforms to any existing state standards for grade 8. (Available SY 2024-.)

**55188A000 Art (grade 8)**

Art (grade 8) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, make connections to other content areas, develop their own aesthetic, and strengthen their critical abilities. Although typically involving the visual arts (drawing, painting, sculpture, crafts, and the like), these courses may also include other forms of art (for example, dance, music, and theater). Specific course content conforms to any existing state standards for grade 8. (Available SY 2012-2023.)

**05180A000 Art (kindergarten)**

Art (kindergarten) courses provide to students developmentally appropriate activities to foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for kindergarten. (Available SY 2024-.)

**55180A000 Art (kindergarten)**

Art (kindergarten) courses provide to students developmentally appropriate activities to foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for kindergarten. (Available SY 2012-2023.)

**55179A000 Art (pre-kindergarten)**

Art (pre-kindergarten) courses provide to students developmentally appropriate activities to foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for pre-kindergarten. (Available SY 2012-2023.)

**05179A000 Art (pre-kindergarten)**

Art (pre-kindergarten) courses provide to students developmentally appropriate activities to foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for pre-kindergarten. (Available SY 2024-.)

**05151A000 Art Appreciation**

Art Appreciation courses introduce students to the historical study of and foundation for many forms of art. These courses help students form an aesthetic framework to examine social, political, and historical events in the world and how visual images express the ideas of individuals and society. Students are involved in the creative process through research and lecture, responding and dialogue, observation and interpretation with art works and artifacts. (Available SY 2011-.)

**55151A000 Art Appreciation (prior-to-secondary)**

Art Appreciation courses introduce students to the many forms of art and help them form an aesthetic framework through which they can judge and critique art of various ages and cultures. These courses also explore the place and significance of art in our society. (Available SY 2012-2023.)

### **05152A000 Art History**

Art History courses introduce students to significant works of art, artists, and artistic movements that have shaped the world and influenced or reflected various periods of history. These courses may emphasize the sequential evolution of art forms, techniques, symbols, and themes. Art History courses also develop an understanding of art in relation to social, cultural, political, and historical events throughout the world, while covering multiple artists, aesthetic issues, and the evolution of art. (Available SY 2011-.)

### **55152A000 Art History (prior-to-secondary)**

Art History courses introduce students to significant works of art, artists, and artistic movements that have shaped the art world and have influenced or reflected periods of history. These courses often emphasize the evolution of art forms, techniques, symbols, and themes. (Available SY 2012-2023.)

### **05170A000 Art Portfolio**

Art Portfolio is designed to address a variety of factors and methods including evolving technologies when preparing and refining artwork for portfolio presentation and or when deciding if and how to preserve and protect art. Students will create, select, respond to, and present work that clearly reflects newly obtained technical skills, increasing conceptual thinking and is a reflection of their personal interests. These courses may include individual critiques and peer review. (Available SY 2011-.)

### **55189A000 Art—General**

Art—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Art, early childhood education through grade 8).] (Available SY 2012-2023.)

### **05189A000 Art—General**

Art—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Art, early childhood education through grade 8).] (Available SY 2024-.)

### **05014A000 Ballet**

Ballet courses provide students with ongoing training in ballet and emphasize improving students' technique. (Available SY 2021-.)

### **05176A000 Calligraphy/Lettering**

Calligraphy/Lettering courses teach various styles of inscribing letters, design developments by means of lettering, the romance of lettering through the ages, and modern use of lettering in advertising and art. These courses present historical and contemporary examples of calligraphy, typography, and lettering. Students engage in critiques and analysis of artists who practice these art forms, including professional calligraphers and typographers, and the relationship to the context in which they were created. (Available SY 2021-.)

### **05159A000 Ceramics/Pottery**

Ceramics/Pottery courses engage students in learning experiences that include the historical and cultural context of ceramics, aesthetic inquiry, and creative production. These courses provide knowledge of ceramic techniques (e.g., kiln firing and glazing) and processes with an emphasis on creative design and craftsmanship. Courses may include clay modeling, hand building, coil building, casting, and throwing on the potter's wheel. (Available SY 2011-.)

### **55159A000 Ceramics/Pottery (prior-to-secondary)**

Ceramics/Pottery courses cover the same topics as Creative Art-Comprehensive courses, but focus on creating three-dimensional works out of clay and ceramic material. Particular attention is paid to the characteristics of the raw materials, their transformation under heat, and the various methods used to create and finish objects. (Available SY 2012-2023.)

### **55005A000 Choreography**

Choreography courses teach students how to arrange and direct dancers' movements. Course content includes application of the elements and principles of dance, study of historical and contemporary dance from a worldwide perspective, and instruction in critique. Course objectives include developing an appreciation of dance as a communicative art form and self-expression. Students sometimes gain performance experience. (Available SY 2012-2023.)

### **05110A000 Chorus**

Chorus courses develop students' vocal skills within the context of a large choral ensemble in which they perform a variety of styles of repertoire. These courses are designed to develop students' vocal techniques and their ability to sing parts and include experiences in creating and responding to music. (Available SY 2011-.)

### **55110A000 Chorus (prior-to-secondary)**

Chorus courses provide the opportunity to sing a variety of choral literature styles for men's and/or women's voices and are designed to develop vocal techniques and the ability to sing parts. (Available SY 2012-2023.)

### **05168A000 Cinematography/Video Production**

Formerly known as Film/Videotape, Cinematography/Video Production courses emphasize the application of the fundamental processes of artistic expression for the purpose of shooting and processing of the image. These courses include the history and development of cinema, television, and video production. Students explore a range of skills needed to explore contemporary social, cultural, and political issues and creatively solve problems within and through cinematic or video productions. Students engage in critiques of their cinematic or video productions, those of others, and productions of professional cinematographers or video artists for the purpose of reflecting on and refining work for presentation. (Available SY 2011-.)

### **55168A000 Cinematography/Video Production (prior-to-secondary)**

Formerly known as Film/Videotape, Cinematography/Video Production courses emphasize the application of the fundamental processes of artistic expression for the purpose of shooting and processing of the image. These courses include the history and development of cinema, television, and video production. Students explore a range of skills needed to explore contemporary social, cultural, and political issues and creatively solve problems within and through cinematic or video productions. Students engage in critiques of their cinematic or video productions, those of others, and productions of professional cinematographers or video artists for the purpose of reflecting on and refining work for presentation. (Available SY 2012-2023.)

### **05119A000 Composition/Songwriting**

Composition/Songwriting courses prepare students to express themselves through creating music. These courses may use conventional or unconventional notation and may include instrumental and vocal music. Along with musical instruments and vocals, technology may be used for creating, recording, and performing music. Students will also perform compositions formally or informally and respond to music created in the classroom. (Available SY 2011-.)



### **05102A000 Concert Band**

Courses in Concert Band are designed to promote students' technique for playing brass, woodwind, and percussion instruments and cover a variety of band literature styles, primarily for concert performances and also include experiences in creating and responding to music. (Available SY 2011-.)

### **55102A000 Concert Band (prior-to-secondary)**

Courses in Concert Band are designed to promote students' technique for playing brass, woodwind, and percussion instruments and cover a variety of band literature styles, primarily for concert performances. (Available SY 2012-2023.)

### **55105A000 Contemporary Band**

Formerly known as Contemporary Band, Contemporary Instrumental Ensemble courses help students perform a variety of contemporary styles, such as traditional jazz, jazz improvisation, and rock. At the same time, these courses cultivate students' technique on instruments appropriate to the style(s) performed—brass, woodwind, string, percussion instruments, and/or electronic. These ensembles emphasize instrumental music but may also include vocal music. Advanced coursework provides students with opportunities for growth through rehearsal and performance, improvisation, or creating and performing their own compositions. (Available SY 2012-2023.)

### **05105A000 Contemporary Instrumental Ensemble**

Formerly known as Contemporary Band, Contemporary Instrumental Ensemble courses help students perform a variety of contemporary styles, such as traditional jazz, jazz improvisation, and rock. At the same time, these courses cultivate students' technique on instruments appropriate to the style(s) performed—brass, woodwind, string, percussion instruments, and/or electronic. These ensembles emphasize instrumental music but may also include vocal music. Advanced coursework provides students with opportunities for growth through rehearsal and performance, improvisation, or creating and performing their own compositions. (Available SY 2011-.)

### **05121A000 Contemporary Vocal Ensemble**

Contemporary Vocal Ensemble courses help students develop vocal techniques while focusing primarily on contemporary stage literature styles, such as traditional jazz, jazz improvisation, and rock. These courses may also focus on gospel, show choir, or barbershop choral group dynamics. The ensembles provide performance opportunities and include experiences in creating and responding to music. (Available SY 2021-.)

### **05165A000 Crafts**

Crafts courses help students apply fundamental processes of artistic expression to the materials and accompanying aesthetics of crafts. Students may explore types of folk art and the materials and ways in which objects have been created for practical, religious, spiritual, and cultural needs of people around the world. These courses may survey a wide range of crafts or may focus on only one type of craft; some possibilities include calligraphy, quilting, silk-screening, cake-decorating, tole-painting, mask-making, knitting, crocheting, paper-making, and so on. These courses may also explore aesthetic issues surrounding folk art and artists and engage in critiques of this authentic art form. (Available SY 2011-.)

### **55165A000 Crafts (prior-to-secondary)**

Crafts courses teach the same lessons as Creative Art-Comprehensive courses, but do so with a focus on crafts. These courses may survey a wide range of crafts, or they may focus on only one type of craft; possibilities include calligraphy, quilting, silk screening, cake decorating, tole painting, mask making, knitting, crocheting, paper making, and so on. (Available SY 2012-2023.)

### **55154A000 Creative Art – Comprehensive**

Creative Art-Comprehensive courses provide to students the knowledge and opportunity to explore an art form and to create individual works of art. These courses may also provide a discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Although Creative Art courses focus on creation, they may also include the study of major artists, art movements, and styles. (Available SY 2012-2023.)

### **55156A000 Creative Art – Drawing**

Creative Art-Drawing courses cover the same topics as Creative Art-Drawing/Painting, but focus on drawing. In keeping with this attention on two-dimensional work, students typically work with several media (such as pen-and-ink, pencil, chalk, and so on), but some courses may focus on only one medium. (Available SY 2012-2023.)

### **55155A000 Creative Art – Drawing/Painting**

Creative Art-Drawing/Painting courses cover the same topics as Creative Art-Comprehensive courses, but focus on drawing and painting. In keeping with this attention on two-dimensional work, students typically work with several media (such as pen-and-ink, pencil, chalk, watercolor,

tempera, oils, acrylics, and so on), but some courses may focus on only one medium. (Available SY 2012-2023.)

### **55157A000 Creative Art – Painting**

Creative Art-Painting courses cover the same topics as Creative Art-Drawing/Painting, but focus on painting. In keeping with this attention on two-dimensional work, students typically work with several media (such as watercolor, tempera, oils, acrylics, and so on), but some courses may focus on only one medium. (Available SY 2012-2023.)

### **55158A000 Creative Art – Sculpture**

Creative Art-Sculpture courses cover the same topics as Creative Art-Comprehensive courses, but focus on creating three-dimensional works. Students typically work with several media (such as clay, ceramics, wood, metals, textiles, and so on), but some courses may focus on only one medium. (Available SY 2012-2023.)

### **05122A000 Culturally Influenced Ensemble**

Culturally Influenced Ensemble courses help students perform a variety of cultural music styles, such as Mariachi band, steel drum band, Indian gamelan, or African drumming ensembles. At the same time, these courses help students develop techniques on instruments appropriate to the style(s) performed—brass, woodwind, string, percussion instruments, and/or electronic and provide experiences in creating and responding to music. Courses emphasize instrumental music but may also include vocal music. Advanced coursework provides students with opportunities for growth through rehearsal and performance, improvisation, or creating and performing their own compositions. (Available SY 2021-.)

### **05028A000 Dance (early childhood education)**

Dance (early childhood education) courses provide developmentally appropriate activities to create awareness of bodily movement and its potential for creativity, expression, and communication. Specific course content conforms to any existing state standards for early childhood education. (Available SY 2024-.)

### **55028A000 Dance (early childhood education)**

Dance (early childhood education) courses provide developmentally appropriate activities to create awareness of bodily movement and its potential for creativity, expression, and

communication. Specific course content conforms to any existing state standards for early childhood education. (Available SY 2012-2023.)

### **55031A000 Dance (grade 1)**

Dance (grade 1) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 1. (Available SY 2012-2023.)

### **05031A000 Dance (grade 1)**

Dance (grade 1) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 1. (Available SY 2024-.)

### **05032A000 Dance (grade 2)**

Dance (grade 2) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 2. (Available SY 2024-.)

### **55032A000 Dance (grade 2)**

Dance (grade 2) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 2. (Available SY 2012-2023.)

**55033A000 Dance (grade 3)**

Dance (grade 3) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 3. (Available SY 2012-2023.)

**05033A000 Dance (grade 3)**

Dance (grade 3) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 3. (Available SY 2024-.)

**05034A000 Dance (grade 4)**

Dance (grade 4) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 4. (Available SY 2024-.)

**55034A000 Dance (grade 4)**

Dance (grade 4) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 4. (Available SY 2012-2023.)

**55035A000 Dance (grade 5)**

Dance (grade 5) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of

dance forms, and strengthen the ability to discern and critique. Specific course content conforms to any existing state standards for grade 5. (Available SY 2012-2023.)

#### **05035A000 Dance (grade 5)**

Dance (grade 5) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen the ability to discern and critique. Specific course content conforms to any existing state standards for grade 5. (Available SY 2024-.)

#### **05036A000 Dance (grade 6)**

Dance (grade 6) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen the ability to discern and critique. Specific course content conforms to any existing state standards for grade 6. (Available SY 2024-.)

#### **55036A000 Dance (grade 6)**

Dance (grade 6) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen the ability to discern and critique. Specific course content conforms to any existing state standards for grade 6. (Available SY 2012-2023.)

#### **55037A000 Dance (grade 7)**

Dance (grade 7) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen the ability to discern and critique. Specific course content conforms to any existing state standards for grade 7. (Available SY 2012-2023.)

**05037A000 Dance (grade 7)**

Dance (grade 7) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen the ability to discern and critique. Specific course content conforms to any existing state standards for grade 7. (Available SY 2024-.)

**05038A000 Dance (grade 8)**

Dance (grade 8) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen the ability to discern and critique. Specific course content conforms to any existing state standards for grade 8. (Available SY 2024-.)

**55038A000 Dance (grade 8)**

Dance (grade 8) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen the ability to discern and critique. Specific course content conforms to any existing state standards for grade 8. (Available SY 2012-2023.)

**05030A000 Dance (kindergarten)**

Dance (kindergarten) courses provide developmentally appropriate activities to create awareness of bodily movement and its potential for creativity, expression, and communication. Specific course content conforms to any existing state standards for kindergarten. (Available SY 2024-.)

**55030A000 Dance (kindergarten)**

Dance (kindergarten) courses provide developmentally appropriate activities to create awareness of bodily movement and its potential for creativity, expression, and communication. Specific course content conforms to any existing state standards for kindergarten. (Available SY 2012-2023.)

### **55029A000 Dance (pre-kindergarten)**

Dance (pre-kindergarten) courses provide developmentally appropriate activities to create awareness of bodily movement and its potential for creativity, expression, and communication. Specific course content conforms to any existing state standards for pre-kindergarten. (Available SY 2012-2023.)

### **05029A000 Dance (pre-kindergarten)**

Dance (pre-kindergarten) courses provide developmentally appropriate activities to create awareness of bodily movement and its potential for creativity, expression, and communication. Specific course content conforms to any existing state standards for pre-kindergarten. (Available SY 2024-.)

### **55047A000 Dance – Independent Study**

Dance-Independent Study courses, often conducted with instructors or professional dancers/choreographers as mentors, enable students to explore a particular dance form. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **55049A000 Dance – Other**

(Available SY 2012-2023.)

### **55004A000 Dance Appreciation**

Dance Appreciation courses expand students' knowledge of dance as an art form and help develop students' ability to evaluate dance performances. Learning the history of one or several dance forms may also be included as a course objective. (Available SY 2012-2023.)

### **05011A000 Dance Composition/Composition Seminar**

Dance Composition/Composition Seminar courses help students gain an understanding of specific choreographic principles and apply those principles to individual movement studies. These courses may emphasize the process of building dance compositions and discovering methods for connecting different dances. (Available SY 2021-.)



### **05013A000 Dance for Musical Theater**

Dance for Musical Theater courses teach students how dance can be used in musical theater. Students learn the history of musical theater and types of dance that are typically used in musical theater including tap, jazz, ballet, and contemporary dance forms. (Available SY 2021-.)

### **05004A000 Dance History and Appreciation**

Formerly known as Dance Appreciation, Dance History and Appreciation courses help students develop an understanding of how dance serves different civilizations (recreational, social,cultural, theatrical, educational, and liturgical, etc.) and expand their knowledge of and ability to critique dance as an art form. Students learn the history of dance, build an aesthetic point of view, and develop a dance vocabulary. Students view or experience a variety of dance forms, styles, and choreographic approaches to provide a historical and aesthetic context. (Available SY 2011-.)

### **05007A000 Dance Improvisation**

Dance Improvisation courses help students develop an ability to respond kinesthetically in the moment, understand the elements of dance, relate to each other through movement, experiment with choreographic principles, and expand the boundaries of the definition of dance. These courses may emphasize the process of exploration, individual investigation, and group work. (Available SY 2021-.)

### **05002A000 Dance Repertory**

Dance Repertory courses provide an opportunity for students to learn about choreographer's unique approaches to dance and choreography by studying and performing excerpts or complete works from a choreographer's repertoire. Dance repertory will train the dancers to capture the nuances and characteristics of the selected piece so that the artist's intent is fully expressed. These courses emphasize performance and typically require auditions. (Available SY 2011-.)

### **55002A000 Dance Repertory (prior-to-secondary)**

Dance Repertory courses provide the opportunity for students with prior dance experience to develop dance techniques in small groups; these classes require auditions and emphasize performance. (Available SY 2012-2023.)

### **05006A000 Dance Survey**

Dance Survey courses provide students with experience in several dance forms (e.g., modern, jazz, ballet, contemporary, tap). Classes introduce students to the fundamental elements of each technique and the common and unique traits among them. (Available SY 2021-.)

### **05001A000 Dance Technique**

Dance Technique courses provide students with experience in one or more dance forms (e.g., modern, jazz, ballet, and tap). Initial classes are usually introductory in nature, while the more advanced classes concentrate on improving students' technique. (Available SY 2011-.)

### **55001A000 Dance Technique (prior-to-secondary)**

Dance Technique courses provide experience in one or several dance forms (e.g., modern, jazz, ballet, and tap). Initial classes are usually introductory in nature, while the more advanced classes concentrate on improving students' technique and may offer or require experience in choreography and dance evaluation. (Available SY 2012-2023.)

### **05005A000 Dance—Choreography**

Dance—Choreography courses teach students how to apply choreographic principles and dance forms to create fully developed choreography for formal or informal presentations. These courses may also help students create dances with a beginning, middle, and conclusion. (Available SY 2011-.)

### **55039A000 Dance—General**

Dance—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Dance, early childhood education through grade 8).] (Available SY 2012-2023.)

### **05039A000 Dance—General**

Dance—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-

level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Dance, early childhood education through grade 8).] (Available SY 2024-.)

### **05047A000 Dance—Independent Study**

Dance—Independent Study courses, often conducted with instructors or professional artists as mentors, provide training in a specific area of emphasis (ballet, tap, jazz, modern, musical theater, world dance, etc.) or in the areas of choreography, production, criticism, etc. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **05049A000 Dance—Other**

Other Dance courses. (Available SY 2011-.)

### **05048A000 Dance—Workplace Experience**

Dance—Workplace Experience courses provide students with work experience in a field related to dance. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **05251A000 Digital Imaging**

Digital Imaging courses explore the creative and conceptual aspects of designing and producing digital imagery, graphics, and photography. Students study the techniques, genres, and styles from multiple mediums and forms. Topics may include aesthetic meaning, appreciation and analysis; composing, capturing, processing, and programming of imagery and graphical information; their transmission, distribution, and marketing; and contextual, cultural and historical aspects and considerations. (Available SY 2021-.)

### **05257A000 Digital Sound Design**

Digital Sound Design courses explore the creative and conceptual aspects of designing and producing sound for a variety of multimedia and popular musical forms, including artistic and experimental presentations and/or installations; soundtracks for moving image; and interactive, immersive and performance media. Topics may include aesthetic meaning, appreciation and

analysis of sound and music; processes of development; and contextual, cultural, and historical aspects and considerations. (Available SY 2021-.)

**05068A000 Drama (early childhood education)**

Drama (early childhood education) courses provide developmentally appropriate activities to enable students to express themselves through dramatic play and storytelling. Specific course content conforms to any existing state standards for early childhood education. (Available SY 2024-.)

**55068A000 Drama (early childhood education)**

Drama (early childhood education) courses provide developmentally appropriate activities to enable students to express themselves through dramatic play and storytelling. Specific course content conforms to any existing state standards for early childhood education. (Available SY 2012-2023.)

**55069A000 Drama (pre-kindergarten)**

Drama (pre-kindergarten) courses provide developmentally appropriate activities to enable students to express themselves through dramatic play and storytelling. Specific course content conforms to any existing state standards for pre-kindergarten. (Available SY 2012-2023.)

**05069A000 Drama (pre-kindergarten)**

Drama (pre-kindergarten) courses provide developmentally appropriate activities to enable students to express themselves through dramatic play and storytelling. Specific course content conforms to any existing state standards for pre-kindergarten. (Available SY 2024-.)

**55071A000 Drama (grade 1)**

Drama (grade 1) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Specific course content conforms to any existing state standards for grade 1. (Available SY 2012-2023.)

**05071A000 Drama (grade 1)**

Drama (grade 1) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Specific course content conforms to any existing state standards for grade 1. (Available SY 2024-.)

**05072A000 Drama (grade 2)**

Drama (grade 2) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Specific course content conforms to any existing state standards for grade 2. (Available SY 2024-.)

**55072A000 Drama (grade 2)**

Drama (grade 2) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Specific course content conforms to any existing state standards for grade 2. (Available SY 2012-2023.)

**55073A000 Drama (grade 3)**

Drama (grade 3) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Specific course content conforms to any existing state standards for grade 3. (Available SY 2012-2023.)

**05073A000 Drama (grade 3)**

Drama (grade 3) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Specific course content conforms to any existing state standards for grade 3. (Available SY 2024-.)

**05074A000 Drama (grade 4)**

Drama (grade 4) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their

world view, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 4. (Available SY 2024-.)

#### **55074A000 Drama (grade 4)**

Drama (grade 4) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 4. (Available SY 2012-2023.)

#### **55075A000 Drama (grade 5)**

Drama (grade 5) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 5. (Available SY 2012-2023.)

#### **05075A000 Drama (grade 5)**

Drama (grade 5) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 5. (Available SY 2024-.)

#### **05076A000 Drama (grade 6)**

Drama (grade 6) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 6. (Available SY 2024-.)

**55076A000 Drama (grade 6)**

Drama (grade 6) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 6. (Available SY 2012-2023.)

**55077A000 Drama (grade 7)**

Drama (grade 7) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. As appropriate, students may focus on acting techniques and traditions, other aspects of drama (staging, lighting, costuming), or both. Specific course content conforms to any existing state standards for grade 7. (Available SY 2012-2023.)

**05077A000 Drama (grade 7)**

Drama (grade 7) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. As appropriate, students may focus on acting techniques and traditions, other aspects of drama (staging, lighting, costuming), or both. Specific course content conforms to any existing state standards for grade 7. (Available SY 2024-.)

**05078A000 Drama (grade 8)**

Drama (grade 8) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. As appropriate, students may focus on acting techniques and traditions, other aspects of drama (staging, lighting, costuming), or both. Specific course content conforms to any existing state standards for grade 8. (Available SY 2024-.)

**55078A000 Drama (grade 8)**

Drama (grade 8) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. As appropriate, students may focus on acting techniques and traditions, other aspects of drama (staging, lighting, costuming), or both. Specific course content conforms to any existing state standards for grade 8. (Available SY 2012-2023.)

**05070A000 Drama (kindergarten)**

Drama (kindergarten) courses provide developmentally appropriate activities to enable students to express themselves through dramatic play and storytelling. Specific course content conforms to any existing state standards for kindergarten. (Available SY 2024-.)

**55070A000 Drama (kindergarten)**

Drama (kindergarten) courses provide developmentally appropriate activities to enable students to express themselves through dramatic play and storytelling. Specific course content conforms to any existing state standards for kindergarten. (Available SY 2012-2023.)

**55053A000 Drama – Comprehensive**

Drama-Comprehensive courses are intended to help develop students' experience and skill in one or more aspects of theatrical production. Initial courses are usually introductory in nature, providing an overview of the features of drama, such as acting, set design, stage management, and so on. The more advanced courses concentrate on improving technique, expanding students' exposure to different types of theatrical techniques and traditions, and increasing their chances of participating in public productions. These courses may also provide a discussion of career opportunities in the theater. (Available SY 2012-2023.)

**55097A000 Drama – Independent Study**

Drama-Independent Study courses, often conducted with instructors or artists as mentors, enable students to explore a particular theatrical form. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

**55099A000 Drama – Other**

(Available SY 2012-2023.)

**55079A000 Drama—General**

Drama—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Drama, early childhood education through grade 8).] (Available SY 2012-2023.)



### **05079A000 Drama—General**

Drama—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Drama, early childhood education through grade 8).] (Available SY 2024-.)

### **05054A000 Exploration in Drama**

Exploration in Drama courses are designed to enhance students' understanding of life through the study and performance of dramatic works. They emphasize developing students' ability to express themselves and establish personal criteria for the critical evaluation of drama activities. (Available SY 2011-2020.)

### **55054A000 Exploration in Drama**

Exploration in Drama courses are designed to enhance students' understanding of life through the study and performance of dramatic works. They emphasize developing students' ability to express themselves and establish personal criteria for the critical evaluation of drama activities. (Available SY 2012-2020.)

### **05190A000 Fashion Design**

Fashion Design courses emphasize applying the fundamental processes of artistic expression in creating and merchandising apparel. Drawing the figure is a foundation of these courses. Students identify the relationships between design, clothing and expression of self through fashion statements. Courses may also include a study of historical and contemporary fashion design from a worldwide perspective. Students engage in critique of their designs, the designs of others, and those of professional fashion designers for the purpose of reflecting on and refining work for presentation. (Available SY 2021-.)

### **05164A000 Fibers and Textile Design**

Formerly known as Textiles, Fibers and Textile Design courses emphasize applying the fundamental processes of artistic expression in creating textiles and fiber works using fiber and fiber-related media, techniques, and processes. These courses may help students understand the suitability of design to materials and the artist's intent in creating textile works of art. Students may create their own work following and breaking from traditional conventions. They may also include the study of the history of fiber and textile art from a worldwide perspective. Students

respond to their art and that of others including professional fiber artists through analysis, critique, and interpretation for the purpose of reflecting on and refining work. (Available SY 2011-.)

### **05203A000 Film Appreciation and Analysis**

Film Appreciation and Analysis courses help students understand the critical historical and stylistic elements of cinema. These courses help students form an aesthetic framework to examine social, political, and historical events in the world and to understand how moving images express the ideas of individuals and society. Course content may include analysis, discussion, and evaluation of multiple film styles including, but not limited to, documentary, short film, drama, horror, and comedy. (Available SY 2021-.)

### **55997A000 Fine and Performing Arts – Independent Study**

Formerly Fine and Performing Art—Independent Study, Visual and Performing Art—Independent Study courses, often conducted with instructors or professional artists as mentors, enable students to explore a particular art form. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic of in greater detail, or to develop more advanced skill. (Available SY 2012-2023.)

### **55999A000 Fine and Performing Arts – Other**

Other Visual and Performing Art courses. (Available SY 2012-2023.)

### **05195A000 Fundamentals of Design**

Fundamentals of Design courses provide an introduction to and help students respond to the function of fundamental processes of artistic expression in two- and three-dimensional designs. Students apply the concepts and approaches in the symbolic aspects of art and design to two- and three-dimensional problems so that they demonstrate a range of abilities and versatility with technique, problem solving, and ideation. Students study, analyze, and respond to the function of fundamental processes of artistic expression in their work. Students learn to respond to their work and the work of others. (Available SY 2021-.)

### **05101A000 General Band**

General Band courses help students develop techniques for playing brass, woodwind, and percussion instruments and their ability to perform a variety of concert band literature styles. These courses may emphasize rehearsal and performance experiences in a range of styles (e.g.,

concert, marching, orchestral, and modern) and also include experiences in creating and responding to music. (Available SY 2011-.)

### **55101A000 General Band (prior-to-secondary)**

General Band courses develop students' technique for playing brass, woodwind, and percussion instruments and cover a variety of nonspecified band literature styles (concert, marching, orchestral, and modern styles). (Available SY 2012-2023.)

### **05003A000 General Dance**

Formerly known as Expressive Movement, General Dance courses explore dance content through the artistic processes of creating, performing, responding, and connecting. These courses may introduce dance history, culture, and vocabulary in the context of these processes. General Dance courses may also develop students' ability to move expressively, without an emphasis on particular dance forms or on developing specific dance techniques. (Available SY 2011-.)

### **55003A000 General Dance (prior-to-secondary)**

Formerly known as Expressive Movement, General Dance courses explore dance content through the artistic processes of creating, performing, responding, and connecting. These courses may introduce dance history, culture, and vocabulary in the context of these processes. General Dance courses may also develop students' ability to move expressively, without an emphasis on particular dance forms or on developing specific dance techniques. (Available SY 2012-2023.)

### **05108A000 Guitar**

Guitar courses provide students an introduction to, and refine the fundamentals of, music and guitar literature and techniques, such as strumming and chords and may offer instruction in more advanced techniques. These courses may include bass, ukelele and other plucked string instruments. Formal and informal performances are typically included as well as experiences in creating and responding to music. (Available SY 2011-.)

### **05017A000 Hip Hop**

Hip Hop courses provide students with ongoing training in hip hop and emphasize improving students' technique. (Available SY 2021-.)

### **05059A000 History and Literature of the Theater**

History and Literature of the Theatre courses explore in depth the structure, elements, and style of dramatic compositions, and, as an extension, how the dramatic literature influenced theatrical production and acting styles throughout history. Some courses may focus more on the literature component than on the theatre (with increased emphasis on critique and analysis), but most courses connect these subjects, exploring their interrelationship. Major contributors (i.e. playwrights, directors, designers) and the architecture of the theater may also be included as topics of study. (Available SY 2011-.)

### **05202A000 IB Arts, Middle Years Program**

**IB Course**

International Baccalaureate (IB) Arts, Middle Years Program courses include visual and performing arts and organize learning around the creative cycle. These courses bring students into contact with art forms and aesthetic values of several cultures and help students master artistic techniques. (Available SY 2012-.)

### **05012A000 IB Dance**

**IB Course**

IB Dance courses prepare students to take the International Baccalaureate (IB) Dance assessments. IB Dance courses help students develop skills in the composition, performance, and analysis of dance. These courses also help students form an historical and global awareness of dance forms and styles. (Available SY 2021-.)

### **05194A000 IB Film**

**IB Course**

IB Film courses prepare students to take the International Baccalaureate Film exams. IB Film courses develop students' understanding and appreciation of the craft of film through the construction and deconstruction of film text. Course content includes textual analysis of film sequences, film theory and history, and the creative process of producing films. (Available SY 2021-.)

### **05115A000 IB Music**

**IB Course**

IB Music courses prepare students to take the International Baccalaureate Music exams. IB Music courses develop students' knowledge and understanding of music through study of musical perception, including study of musical elements, form and structure, notations, musical terminology and context. These courses include exploration of music from different places, cultures, and time periods. They also involve training in at least one of the following: creating, solo performing, and group performing. (Available SY 2011-.)

**05062A000 IB Theatre****IB Course**

IB Theatre courses prepare students to take the International Baccalaureate (IB) Theatre exams. IB Theatre courses encourage students to examine the theory, history, and culture of theatre. These courses also help students develop the organizational and technical skills to express themselves through scripted performance, workshops, and independent project(s). (Available SY 2021-.)

**05173A000 IB Visual Arts****IB Course**

IB Visual Arts courses prepare students to take the International Baccalaureate (IB) Visual Arts exams. IB Visual Arts courses provide experiences that develop students' aesthetic and creative faculties, provide experiences in various visual art forms, offer training in awareness and criticism of art, and enable students to create their own quality works of art. Students perform both studio and research work; the research component is designed to investigate particular topics or concepts of interest in further detail. These courses were formerly known as IB Art/Design. (Available SY 2011-.)

**05109A000 Individual Technique—Instrumental Music**

Individual Technique—Instrumental Music courses provide individuals with instruction in instrumental literature and techniques. These courses may be conducted either individually or in a small group; formal and informal performances are typically included as well as experiences in creating and responding to music. (Available SY 2011-.)

**05112A000 Individual Technique—Vocal Music**

Individual Technique—Vocal Music courses provide instruction in and encourage the refinement of vocal techniques and repertoire other than the ability to sing in groups. These courses may be conducted individually or in small groups. Formal and informal performances may be part of the instructional program as well as experiences in creating and responding to music. (Available SY 2011-.)

**05191A000 Industrial Design**

Industrial Design courses emphasize applying the fundamental processes of artistic expression to designing manufactured products. Students analyze and apply a variety of media, techniques, and processes to improve the aesthetics, ergonomics, functionality, and/or usability of a product. Courses may also include an understanding of aesthetic issues associated with product design. Students study industrial designs throughout history, contemporary society, and many world cultures. Students engage in critique of their industrial designs, the designs of others, and designs

by professional industrial designers for the purpose of reflecting on and refining work for presentation. (Available SY 2021-.)

### **55106A000 Instrumental Ensembles**

Formerly known as Instrumental Ensemble, Small Ensemble courses help students perform a variety of musical styles (e.g., traditional chamber music, jazz, and rock). At the same time, these courses help cultivate students' technique on instruments appropriate to the style(s) performed—brass, woodwind, string, percussion instruments, and/or electronic and provide experiences in creating and responding to music. Courses typically range in size from 2 to 20 performers. (Available SY 2012-2023.)

### **05252A000 Interactive Design**

Interactive Design courses explore the creative, technical, and conceptual aspects of designing and producing interactive media arts experiences, products, and services, including reactive (sensory-based devices) and interactive technologies, 3D game mechanics, interface design, mobile device applications, social media-based and web multimedia, physical spaces, augmented reality, and/or virtual reality. Topics may include aesthetic meaning; artistic, design and technical methods and practices; story and audience engagement; analysis and media literacy; construction, development, processing, modeling, simulation, and programming of interactive experiences; their transmission, distribution, placement and marketing; and contextual, cultural, and historical aspects and considerations. (Available SY 2021-.)

### **05252A001 Interactive Design**

**CTE Course**

Interactive Design courses explore the creative, technical, and conceptual aspects of designing and producing interactive media arts experiences, products, and services, including reactive (sensory-based devices) and interactive technologies, 3D game mechanics, interface design, mobile device applications, social media-based and web multimedia, physical spaces, augmented reality, and/or virtual reality. Topics may include aesthetic meaning; artistic, design and technical methods and practices; story and audience engagement; analysis and media literacy; construction, development, processing, modeling, simulation, and programming of interactive experiences; their transmission, distribution, placement and marketing; and contextual, cultural, and historical aspects and considerations. (Available SY 2022-.)

### **05253A000 Interactive Game Design**

Interactive Game Design courses explore the creative, technical, and conceptual aspects of designing and producing interactive game experiences and products, including reactive (sensory-based devices) and interactive technologies, 3D game mechanics, interface design, games for mobile device applications, social media and web multimedia, and/or augmented and virtual reality games. Topics may include aesthetic meaning; artistic, design and technical methods and

practices; game construction and development, game theory and dynamics; analysis and media literacy; construction, development, processing, modeling, and programming of game-based experiences; their transmission, distribution, placement and marketing; and contextual, cultural and historical aspects and considerations. (Available SY 2021-.)

### **05201A000 Interdisciplinary Arts**

Formerly known as Integrated Fine Arts, Interdisciplinary Arts courses explore communication across the arts disciplines: any subset or all of the visual arts, music, drama, theater, dance, and literature may be addressed in the curriculum for these courses. Students study and critique the works of others and participate in or produce art themselves. These courses often include comparative study of various art forms over time (i.e., the interrelationship of theater and visual arts of a particular time period and culture). (Available SY 2011-.)

### **55201A000 Interdisciplinary Arts (prior-to-secondary)**

Formerly known as Integrated Fine Arts, Interdisciplinary Arts courses explore communication across the arts disciplines: any subset or all of the visual arts, music, drama, theater, dance, and literature may be addressed in the curriculum for these courses. Students study and critique the works of others and participate in or produce art themselves. These courses often include comparative study of various art forms over time (i.e., the interrelationship of theater and visual arts of a particular time period and culture). (Available SY 2012-2023.)

### **05193A000 Interior Design**

Interior Design courses emphasize applying the fundamental processes of artistic expression to design an interior living or working space. Students analyze and apply a variety of media, techniques, and processes in their interior design work. Courses may also include an understanding of aesthetic issues associated with interior design. Students study the art or process of designing the interior of a room or building and focus on enhancing the interiors of a space to achieve a healthy and more aesthetically pleasing environment. Students will study interior designs from historical, contemporary, and world cultures. Students engage in critique of their interior designs, the designs of others, and designs by professional interior designers for the purpose of reflecting on and refining work for presentation. (Available SY 2021-.)

### **05193A001 Interior Design**

**CTE Course**

Interior Design courses emphasize applying the fundamental processes of artistic expression to design an interior living or working space. Students analyze and apply a variety of media, techniques, and processes in their interior design work. Courses may also include an understanding of aesthetic issues associated with interior design. Students study the art or process of designing the interior of a room or building and focus on enhancing the interiors of a space to achieve a healthy and more aesthetically pleasing environment. Students will study

interior designs from historical, contemporary, and world cultures. Students engage in critique of their interior designs, the designs of others, and designs by professional interior designers for the purpose of reflecting on and refining work for presentation. (Available SY 2021-.)

### **05261A000 Intermedia Design**

Intermedia Design courses explore the creative and conceptual aspects of designing and producing interdisciplinary media arts, intermedia and/or transmedia, that merges media in diverse combinations and emerging hybrids. Topics may include aesthetic meaning, appreciation and analysis; construction, development, processing, modeling, simulation, and programming of blended physical, interactive, multimedia, and virtual experiences and/or environments across arts forms, platforms, media, and technologies; presentation, transmission, distribution and marketing; and contextual, cultural, and historical aspects/considerations. (Available SY 2021-.)

### **05051A000 Introduction to the Theater**

Introduction to Theater courses provide an overview of the art, conventions, and history of the theater arts. Although the courses sometimes include experiential exercises, they emphasize learning about theater processes rather than theatrical production and performance. Course topics include one or more of the following: basic techniques in acting, major developments in dramatic literature, major playwrights, the evolution of theater as a cultural tradition, and critical appreciation of the art and craft of the theater profession. (Available SY 2011-.)

### **55051A000 Introduction to the Theater (prior-to-secondary)**

Introduction to the Theater courses provide an overview of the art, conventions, and history of the theater. Although the courses sometimes include experiential exercises, they emphasize learning about the theater rather than performance. Students learn about one or more of the following topics: basic techniques in acting, major developments in dramatic literature, major playwrights, the formation of theater as a cultural tradition, and critical appreciation of the art. (Available SY 2012-2023.)

### **05015A000 Jazz Dance**

Jazz Dance courses provide students with ongoing training in jazz dance and emphasize improving students' technique. (Available SY 2021-.)

### **05166A000 Jewelry**

Jewelry courses help students apply fundamental processes of artistic expression to the fabrication of small-scale objects and pieces of jewelry, and include the study of ornamental



design, its media, techniques, and processes. These courses typically help students develop expressive and technical skills in creating jewelry, using art metals, and exploring design concepts in form and surface decoration. Courses present a historical and contemporary view of using art metals and other elements in jewelry design and provide instruction in the critique process. Students participate in critiques of their jewelry and metal works, the jewelry and metal works of others, and those by professional jewelers and gemologists for the purpose of reflecting on and refining work for presentation. (Available SY 2011-.)

### **05103A000 Marching Band**

Courses in Marching Band are intended to develop students' technique for playing brass, woodwind, and percussion instruments and cover appropriate band literature styles, primarily for marching performances. (Available SY 2011-.)

### **55103A000 Marching Band (prior-to-secondary)**

Courses in Marching Band are intended to develop students' technique for playing brass, woodwind, and percussion instruments and cover appropriate band literature styles, primarily for marching performances. (Available SY 2012-2023.)

### **05262A000 Media Arts Theory**

Media Arts Theory courses instruct students on the conceptual, social, and philosophical aspects of the variety, purposes, and nature of media arts. Topics may include aesthetic meaning; appreciation and analysis of the range of media art experiences, styles, genres, and forms; limited experience in its production tools, methods, and processes; and the role of media technologies in society. (Available SY 2021-.)

### **05250A000 Media Arts—Comprehensive**

Media Arts—Comprehensive courses introduce students to the creative and conceptual aspects of designing media arts experiences and products, including techniques, genres and styles from various mediums and forms, such as moving image, sound, interactive, spatial and/or interactive design. Topics may include aesthetic meaning, appreciation and analysis; composing, capturing, processing and programming of media arts products, experiences and communications; transmission, distribution and marketing; and contextual, cultural, and historical aspects and considerations. (Available SY 2021-.)

### **05297A000 Media Arts—Independent Study**

Media Arts—Independent Study courses, often conducted with instructors or professional artists as mentors, enable students to explore a particular art form or topic. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2021-.)

### **05299A000 Media Arts—Other**

Other Media Arts courses. (Available SY 2021-.)

### **05298A000 Media Arts—Workplace Experience**

Media Arts—Workplace Experience courses provide students with work experience in a field related to media arts. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2021-.)

### **05259A000 Media for Performance**

Media for Performance courses explore the creative and conceptual aspects of designing and producing media for performing, informational, and entertainment arts presentations and experiences including dance, music, theatre, opera, performance art, political, and sports and entertainment events. Topics may include aesthetic meaning, appreciation and analysis of live performance and integrated media; processes of development; and contextual, cultural, and historical aspects and considerations. (Available SY 2021-.)

### **05263A000 Media Literacy**

Media Literacy courses provide a history of the media, including advertising and persuasive techniques, and study propaganda. Students learn how contemporary and historical images are used to make art, sell products, motivate populations, and alter opinions. Topics may include debates surrounding television, the internet, and other sources for media, and exploring alternatives to the mainstream media. (Available SY 2021-.)

### **05016A000 Modern Dance**

Modern Dance courses provide students with ongoing training in modern dance and emphasize improving students' technique. (Available SY 2021-.)

### **05255A000 Moving Image**

Moving Image courses explore the creative and conceptual aspects of designing and producing moving images for cinematic, film/video, animation, and multimedia presentations, such as documentaries, music videos, and performance media. Topics may include aesthetic meaning, appreciation and analysis of moving imagery; all processes of development including pre-production planning and organization, production and post-production methods, tools, and processes; moving image presentation; transmission, distribution, and marketing; and contextual, cultural, and historical aspects and considerations. (Available SY 2021-.)

### **05256A000 Moving Image – Animation**

Moving Image–Animation courses explore the creative and conceptual aspects of designing and producing animated images for storytelling and multimedia presentations including dramatic narratives; artistic and experimental presentations and installations; and ambient, interactive, immersive and performance media. Topics may include motion graphics; compositing and visual effects; 2D and 3D animation; timing and spacing; aspect ratio; video editing; animation physics and expressions; pre- and post-production methods, tools and processes; animation presentation, transmission, distribution, and marketing; and contextual, cultural, and historical aspects and considerations. (Available SY 2021-.)

### **05169A000 Multimedia Art**

Formerly known as Computer-Assisted Art, Multimedia Art courses emphasize applying the fundamental processes of artistic expression for the purpose of creating multimedia productions that explore contemporary social, cultural, and political issues. These courses include the history and development of multiple forms of media including a combination of text, audio, still images, animation, video, and interactive content. These courses provide students with the opportunity to develop foundational skills and knowledge while they also become more adept in cinema, video, digital live production, and electronic time-based media. Students engage in critique of their multimedia work, that of others, and the multimedia video, digital, and live production work of artists for the purpose of reflecting on and refining work for presentation. (Available SY 2011-.)

### **05260A000 Multimedia Design**

Multimedia Design courses explore the creative and conceptual aspects of designing and producing media arts experiences, products, and services that combine imagery, text, sound, motion, interactivity and/or virtual media into a unified presentation. Topics may include aesthetic meaning, appreciation and analysis; composition, development, processing and programming of combined physical, interactive, and virtual experiences and environments; presentation, transmission, distribution, and marketing; and contextual, cultural, and historical aspects and considerations. (Available SY 2021-.)

**05128A000 Music (early childhood education)**

Music (early childhood education) courses provide developmentally appropriate activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Specific course content conforms to any existing state standards for early childhood education. (Available SY 2024-.)

**55128A000 Music (early childhood education)**

Music (early childhood education) courses provide developmentally appropriate activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Specific course content conforms to any existing state standards for early childhood education. (Available SY 2012-2023.)

**55131A000 Music (grade 1)**

Music (grade 1) courses provide activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and establishing the ability to discern and critique. Specific course content conforms to any existing state standards for grade 1. (Available SY 2012-2023.)

**05131A000 Music (grade 1)**

Music (grade 1) courses provide activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and establishing the ability to discern and critique. Specific course content conforms to any existing state standards for grade 1. (Available SY 2024-.)

**05132A000 Music (grade 2)**

Music (grade 2) courses provide activities to enable students to create and perform music, listen and respond to musical compositions, and to incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and establishing the ability to discern and critique. Specific course content conforms to any existing state standards for grade 2. (Available SY 2024-.)

**55132A000 Music (grade 2)**

Music (grade 2) courses provide activities to enable students to create and perform music, listen and respond to musical compositions, and to incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and establishing the ability to discern and critique. Specific course content conforms to any existing state standards for grade 2. (Available SY 2012-2023.)

**55133A000 Music (grade 3)**

Music (grade 3) courses provide activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and establishing the ability to discern and critique. Specific course content conforms to any existing state standards for grade 3. (Available SY 2012-2023.)

**05133A000 Music (grade 3)**

Music (grade 3) courses provide activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and establishing the ability to discern and critique. Specific course content conforms to any existing state standards for grade 3. (Available SY 2024-.)

**05134A000 Music (grade 4)**

Music (grade 4) courses provide activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and establishing the ability to discern and critique. Specific course content conforms to any existing state standards for grade 4. (Available SY 2024-.)

**55134A000 Music (grade 4)**

Music (grade 4) courses provide activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and

establishing the ability to discern and critique. Specific course content conforms to any existing state standards for grade 4. (Available SY 2012-2023.)

#### **55135A000 Music (grade 5)**

Music (grade 5) courses provide activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and establishing the ability to discern and critique. Specific course content conforms to any existing state standards for grade 5. (Available SY 2012-2023.)

#### **05135A000 Music (grade 5)**

Music (grade 5) courses provide activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and establishing the ability to discern and critique. Specific course content conforms to any existing state standards for grade 5. (Available SY 2024-.)

#### **05136A000 Music (grade 6)**

Music (grade 6) courses enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and refining the ability to discern and critique. Specific course content conforms to any existing state standards for grade 6. (Available SY 2024-.)

#### **55136A000 Music (grade 6)**

Music (grade 6) courses enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and refining the ability to discern and critique. Specific course content conforms to any existing state standards for grade 6. (Available SY 2012-2023.)

**55137A000 Music (grade 7)**

Music (grade 7) courses enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and refining the ability to discern and critique. Specific course content conforms to any existing state standards for grade 7. (Available SY 2012-2023.)

**05137A000 Music (grade 7)**

Music (grade 7) courses enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and refining the ability to discern and critique. Specific course content conforms to any existing state standards for grade 7. (Available SY 2024-.)

**05138A000 Music (grade 8)**

Music (grade 8) courses enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and refining the ability to discern and critique. Specific course content conforms to any existing state standards for grade 8. (Available SY 2024-.)

**55138A000 Music (grade 8)**

Music (grade 8) courses enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and refining the ability to discern and critique. Specific course content conforms to any existing state standards for grade 8. (Available SY 2012-2023.)

**05130A000 Music (kindergarten)**

Music (kindergarten) courses provide developmentally appropriate activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Specific course content conforms to any existing state standards for kindergarten. (Available SY 2024-.)

### **55130A000 Music (kindergarten)**

Music (kindergarten) courses provide developmentally appropriate activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Specific course content conforms to any existing state standards for kindergarten. (Available SY 2012-2023.)

### **55129A000 Music (pre-kindergarten)**

Music (pre-kindergarten) courses provide developmentally appropriate activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Specific course content conforms to any existing state standards for pre-kindergarten. (Available SY 2012-2023.)

### **05129A000 Music (pre-kindergarten)**

Music (pre-kindergarten) courses provide developmentally appropriate activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Specific course content conforms to any existing state standards for pre-kindergarten. (Available SY 2024-.)

### **55147A000 Music – Independent Study**

Music-Independent Study courses, often conducted with instructors, professional musicians, or voice coaches as mentors, enable students to explore music-related topics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **55149A000 Music – Other**

(Available SY 2012-2023.)

### **05118A000 Music Appreciation**

Music Appreciation courses provide students with an understanding of music and its importance in their lives. Course content focuses on how various styles of music apply musical elements to



create an expressive or aesthetic impact. Students also have the ability for informal music performance and creation within the classroom. (Available SY 2011-.)

### **55118A000 Music Appreciation (prior-to-secondary)**

Similar in nature to Music History/Appreciation courses, Music Appreciation courses focus specifically on students' appreciation of music. They are designed to help students explore the world of music and to develop an understanding of the importance of music in their lives. (Available SY 2012-2023.)

### **05117A000 Music History**

Music History courses provide students with an understanding of music, its importance, and context in a selected range of historical periods and/or cultural styles. Students also have the ability for informal music performance and creation within the classroom. (Available SY 2011-.)

### **05116A000 Music History/Appreciation**

Music History/Appreciation courses survey different musical styles and periods with the intent of increasing students' understanding of music and its importance in relation to the human experience. Music History/Appreciation courses may focus on how various styles of music apply musical elements to create an expressive or aesthetic impact. Students also have the ability for informal music performance and creation within the classroom. (Available SY 2011-.)

### **55116A000 Music History/Appreciation (prior-to-secondary)**

Music History/Appreciation courses survey different musical styles and periods with the intent of increasing students' enjoyment of musical styles and/or developing their artistic or technical judgment. Music History/Appreciation courses may also focus on developing an understanding of a particular style or period. (Available SY 2012-2023.)

### **05113A000 Music Theory**

Music Theory courses provide students with an understanding of the fundamentals of music and include the following topics: composition, arranging, analysis, aural development, and sight reading. (Available SY 2011-.)

### **55139A000 Music—General**

Music—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Music, early childhood education through grade 8).] (Available SY 2012-2023.)

### **05139A000 Music—General**

Music—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Music, early childhood education through grade 8).] (Available SY 2024-.)

### **05147A000 Music—Independent Study**

Music—Independent Study courses, often conducted with instructors, professional musicians, or voice coaches as mentors, enable students to explore music-related topics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **05149A000 Music—Other**

Other Music courses. (Available SY 2011-.)

### **05148A000 Music—Workplace Experience**

Music—Workplace Experience courses provide students with work experience in a field related to music. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **05060A000 Musical Theater**

Musical Theater courses provide students with the opportunity to explore and/or participate in various aspects of musical theater, including auditioning, singing, acting, and dancing. These courses review the history and evolution of musical theatre, its literature and artists, and styles of

composition and vocal presentation. Students work collaboratively on performances, including solo, duet, and ensemble work. (Available SY 2021-.)

### **05104A000 Orchestra**

Orchestra courses help develop students' technique for playing strings along with woodwind, brass, and percussion instruments. These courses may emphasize collaboration through rehearsal and performance experiences in creating and responding to music. (Available SY 2011-.)

### **55104A000 Orchestra (prior-to-secondary)**

Orchestra courses are designed to develop students' abilities to play brass, woodwind, percussion, and string instruments, covering a variety of string and orchestral literature styles. (Available SY 2012-2023.)

### **05167A000 Photography**

Photography courses provide students with an understanding of photographic media, techniques, and processes. These courses focus on development of photographic compositions through manipulation of the fundamental processes of artistic expression. Students may learn to make meaningful visual statements with an emphasis on personal creative expression to communicate ideas, feelings, or values. Photography courses may also include the history of photography, historic movements, image manipulation, critical analysis, and some creative special effects. Students engage in critiques of their photographic images, the works of other students, and those by professional photographers for the purpose of reflecting on and refining work. (Available SY 2011-.)

### **55167A000 Photography (prior-to-secondary)**

Photography courses expose students to the materials, processes, and artistic techniques of taking artistic photographs. Students learn about the operation of a camera, composition, lighting techniques, depth of field, filters, camera angles, and film development. The course may cover black-and-white photography, color photography, or both. As students advance, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic style. These courses may also cover major photographers, art movements, and styles. (Available SY 2012-2023.)

### **05107A000 Piano**

Piano courses provide students an introduction to, and refine the fundamentals of, music and keyboard including literature and techniques such as scales, chords, and melodic lines and may offer instruction in more advanced techniques. Formal and informal performances are typically included as well as experiences in creating and responding to music. (Available SY 2011-.)

### **05058A000 Playwriting and Screenwriting**

Formerly known as Playwriting, Playwriting and Screenwriting courses help students understand and employ writing principles and techniques to create original scripts suitable for theater, film, and/or television production. These courses explore the appropriate techniques of each genre and develop a personal voice, style, and aesthetic by examining the work of various playwrights and screenwriters. Students may examine the creative writing craft, scene writing, script development, stage and/or camera instructions, line and moment analysis, script reading, script editing, and the creation of a production. (Available SY 2011-.)

### **05049A001 Pre-AP Dance**

**Pre-AP Course**

Pre-AP Dance emphasizes the process of generating creative work in addition to highlighting the culminating performances. Students observe, investigate, and discuss selected dance performances and relate these examples to their own work. They participate in structured conversations with peers, experiment to generate new ideas for movements and dance phrases, and communicate and clarify ideas in writing throughout the creative process. (Available SY 2022-.)

### **05149A001 Pre-AP Music**

**Pre-AP Course**

Pre-AP Music emphasizes the process of generating creative work in addition to highlighting the culminating performances. Students observe, investigate, and discuss selected anchor works, thinking about how composers and performers can interpret the same idea in multiple ways and relating these examples to their own work. They participate in structured conversations with peers, experiment to generate ideas and make purposeful decisions about their work, and communicate and clarify ideas in writing throughout the creative process. (Available SY 2022-.)

### **05099A001 Pre-AP Theatre**

**Pre-AP Course**

Pre-AP Theatre emphasizes the process of generating creative work in addition to highlighting the culminating performances. Students observe, investigate, and discuss selected theatre works and relate these examples to their own work. They participate in structured conversations with peers, experiment to generate new expressive ideas and make purposeful decisions about their work,

and communicate and clarify ideas in writing throughout the creative process. (Available SY 2022-.)

### **05199A001 Pre-AP Visual Arts**

### **Pre-AP Course**

Pre-AP Visual Arts emphasizes the process of producing creative work in addition to highlighting the finished products. Students observe, investigate, and discuss selected anchor works and relate these examples to their own work. They participate in structured conversations with peers, experiment to generate ideas and make purposeful decisions about their work, and communicate and clarify ideas in writing throughout the creative process. (Available SY 2022-.)

### **05161A000 Printmaking**

Printmaking courses provide students with experience in a variety of traditional, non-traditional and digital printmaking media, techniques, and processes. These courses emphasize fundamental processes of artistic expression through the creation of realistic and abstract prints. Students learn and practice responding to their own art and that of others including master printmakers through analysis, critique, and interpretation for the purpose of reflecting on and refining work. (Available SY 2011-.)

### **05160A000 Printmaking/Graphics**

Printmaking/Graphics courses emphasize applying the fundamental processes of artistic expression to both printmaking and visual communications design. These courses help students investigate printmaking media, techniques, and processes, in addition to providing instruction about the purposeful arrangement of images, symbols, and text to communicate a message. Printmaking/Graphics courses also include a study of historical and contemporary printmaking and visual communications design and provide instruction in the critique process. (Available SY 2011-.)

### **05123A000 Recording and Production**

Recording and Production courses provide students with an opportunity to learn and apply skills in music recording techniques, music editing, mixing, and creating finished musical recordings for distribution as sound files in order to enhance, convey, and capture the expressive intent of music. (Available SY 2021-.)

### **05106A000 Small Ensemble**

Formerly known as Instrumental Ensemble, Small Ensemble courses help students perform a variety of musical styles (e.g., traditional chamber music, jazz, and rock). At the same time, these

courses help cultivate students' technique on instruments appropriate to the style(s) performed—brass, woodwind, string, percussion instruments, and/or electronic and provide experiences in creating and responding to music. Courses typically range in size from 2 to 20 performers. (Available SY 2011-.)

### **05010A000 Social Dance**

Social Dance courses teach students the steps, spatial formations and patterns, appropriate partner etiquette, and the relationship of the dance(s) to specific music or musical forms as well as historical or cultural contexts. These courses emphasize the distinct forms of partner or group dances and may include a variety of options (e.g., ballroom, square, folk, barn, contra, circle, and line dances). (Available SY 2021-.)

### **05120A000 Strings**

Strings courses provide students an introduction to, and refine the fundamentals of, music and bowed-string instrument literature and techniques and may include more advanced techniques. These courses teach students the appropriate care, handling, and maintenance of musical instruments. Formal and informal performances are included as part of string instrument instructional programs as well as experiences in creating and responding to music. (Available SY 2021-.)

### **05018A000 Tap Dance**

Tap Dance courses provide students with ongoing training in tap dance and emphasize improving students' technique. (Available SY 2021-.)

### **05009A000 Technical Theater for Dance**

Technical Theater for Dance courses teach students the basics of lighting, sound, makeup, costuming, stage management, and other aspects of dance concert production. These courses may also include the practical application of skills. (Available SY 2021-.)

### **05124A000 Technology/Electronic Music**

Technology/Electronic Music courses emphasize current technology as a means to create, record, mix, and otherwise interact with music and music media. These courses focus on experimenting with electronic music technology as part of the process for creating music. (Available SY 2021-.)

### **05052A000 Theater Arts**

Theater Arts courses focus on the study and performance of drama in its many forms, including musical theater, drama, and comedy. These courses review a wide range of scripted materials (such as plays, screenplays, teleplays, readers' theater scripts); dramatic criticism; techniques for creating original dramatic works; and the role of dramatic arts in society. Theater Arts courses typically require students to perform collaboratively, be involved in the critique of dramatic works, and learn methods for self-expression. (Available SY 2011-.)

### **05055A000 Theater—Acting/Performance**

Theater—Acting/Performance courses provide students with experience and skill development in one or more aspects of theatrical production, by concentrating on acting and performance skills. Introductory courses explore fundamental techniques, while advanced courses extend and refine technique, expand students' exposure to different types of theatrical craft and traditions from varied social and historical contexts, and increase their participation in public productions. (Available SY 2011-.)

### **05053A000 Theater—Comprehensive**

Theater—Comprehensive courses help students experience and develop skill in one or more aspects of theatrical production. Introductory courses provide an overview of theatrical elements including acting, set design, stage management, directing, playwriting, and production. Advanced courses concentrate on extending and refining dramatic technique, expanding students' exposure to different types of theatrical styles, genres, and traditions, and increasing their participation in public productions. (Available SY 2011-.)

### **05057A000 Theater—Directing**

Theater—Directing courses focus on developing students' skills in translating a script into a final production. Directing courses enable each student to create an artistic vision and develop a personal aesthetic. These courses may expose students to different types of theatrical techniques and traditions. They also provide students with opportunities to direct the performances of others (either in scenes or in a full production). (Available SY 2011-.)

### **05097A000 Theater—Independent Study**

Theater—Independent Study courses, often conducted with instructors or professional artists as mentors, enable students to focus on a specific area of emphasis within the discipline. These courses enable students to independently explore one or more aspects of theater. Independent Study courses may serve as an opportunity for students to expand expertise in a particular

theatrical genre or style, explore a topic in greater detail, or develop more advanced skills. (Available SY 2011-.)

### **05099A000 Theater—Other**

Other Theater courses. (Available SY 2011-.)

### **05056A000 Theater—Stagecraft**

Theater—Stagecraft courses provide students with an understanding of the various aspects of theatrical production, including lighting, costuming, sound, set construction, makeup, stage management, and the use of computer and media-based applications. These courses prepare students to engage in the hands-on application of these production elements in design and technology courses. (Available SY 2011-.)

### **05098A000 Theater—Workplace Experience**

Theater—Workplace Experience courses provide work experience in a field related to drama and the theater. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **55052A000 Theatre Arts**

Theatre arts courses focus on the study and performance of drama, including musical theatre. These courses review a wide range of scripted materials, such as plays, screenplays, teleplays, readers' theatre scripts, dramatic criticism, creation of original dramatic works, and the role of dramatic arts in society. In addition, students work collaboratively on performances. (Available SY 2012-2023.)

### **05061A000 Theatrical Production and Management**

Theatrical Production and Management courses prepare students to manage the planning, design, preparation, and production of plays and other theatrical performances. Course content may include instruction in theatrical design, program management, dramatic production, rehearsal management, personnel management and casting, actor coaching, directing concepts and techniques, dramaturgy, script interpretation, business management, marketing, public relations, and communications skills. (Available SY 2021-.)



### **05258A000 Virtual Design**

Virtual Design courses explore the creative and conceptual aspects of designing and producing simulative, virtual, and 3D media arts experiences, products, and services, including environments, structures, objects, architecture and ecologies, virtual, and augmented reality. Topics may include aesthetic meaning, appreciation and analysis; construction, development, processing, modeling, simulation and programming of experiences, structures, architecture and/or environments; presentation, transmission, distribution, and marketing; and contextual, cultural, and historical aspects and considerations. (Available SY 2021-.)

### **05995A000 Visual and Performing Art—Aide**

Formerly Fine and Performing Arts—Aide, Visual and Performing Art—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

### **05997A000 Visual and Performing Art—Independent Study**

Formerly Fine and Performing Art—Independent Study, Visual and Performing Art—Independent Study courses, often conducted with instructors or professional artists as mentors, enable students to explore a particular art form. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic of in greater detail, or to develop more advanced skill. (Available SY 2011-.)

### **05999A000 Visual and Performing Art—Other**

Other Visual and Performing Art courses. (Available SY 2011-.)

### **05998A000 Visual and Performing Art—Workplace Experience**

Formerly Fine and Performing Art—Workplace Experience, Visual and Performing Art—Workplace Experience courses provide students with work experience in a field related to the fine and performing arts. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **55197A000 Visual Art – Independent Study**

Visual Art-Independent Study courses, often conducted with instructors or professional artists as mentors, enable students to explore a particular art form or topic. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **55199A000 Visual Arts – Other**

(Available SY 2012-2023.)

### **05154A000 Visual Arts—Comprehensive**

Visual Arts—Comprehensive courses enable students to explore one or several art forms (e.g., drawing, painting, two- and three-dimensional design, and sculpture) and to create individual works of art. Initial courses emphasize observations, interpretation of the visual environment, visual communication, imagination, and symbolism. Courses cover the language, materials, media, and processes of a particular art form and the design elements used. Advanced courses encourage students to refine their skills while also developing their own artistic styles following and breaking from traditional conventions. Courses may also include the study of major artists, art movements, and styles. (Available SY 2011-.)

### **05156A000 Visual Arts—Drawing**

Visual Arts—Drawing courses provide a foundation in drawing using a variety of techniques and media (such as pen-and-ink, pencil, chalk, and so on) in both black and white and color, emphasizing observation and interpretation of the visual environment, life drawing, and imaginative drawing. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Advanced courses may encourage students to refine their creative processes and develop their own artistic styles following and breaking from traditional conventions. (Available SY 2011-.)

### **05155A000 Visual Arts—Drawing/Painting**

Visual Arts—Drawing/Painting courses focus on the inter-relationships that occur between drawing and painting using a variety of media and techniques, emphasizing observation and interpretation of the visual environment. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Advanced courses may encourage students to refine their creative process and develop their own artistic styles following and breaking from traditional conventions. (Available SY 2011-.)

### **05197A000 Visual Arts—Independent Study**

Visual Art—Independent Study courses, often conducted with instructors or professional artists as mentors, enable students to explore a particular art form or topic. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **05199A000 Visual Arts—Other**

Other Visual Arts courses. (Available SY 2011-.)

### **05157A000 Visual Arts—Painting**

Visual Arts—Painting courses provide a foundation in painting using a variety of techniques and media (such as watercolor, tempera, oils, acrylics), emphasizing observation and interpretation of the visual environment, life drawing, and imaginative painting. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Advanced courses may encourage students to refine their creative processes and develop their own artistic styles following and breaking from traditional conventions. (Available SY 2011-.)

### **05158A000 Visual Arts—Sculpture**

Visual Arts—Sculpture courses promote creative expression through three-dimensional works. These courses explore representational and abstract sculpture through subtractive (carving), additive (modeling), and assemblage techniques in one or more media. Visual Arts—Sculpture courses typically include the production of representational and abstract sculptures while incorporating elements of art and principles of design, along with a study of historical and contemporary sculpture and sculptors from a worldwide perspective. These courses also provide instruction in the process of responding to art through analysis, critique, and interpretation for the purpose of reflecting on and refining work. (Available SY 2011-.)

### **05198A000 Visual Arts—Workplace Experience**

Visual Arts—Workplace Experience courses provide students with work experience in a field related to visual arts. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **05162A000 Visual Communications Design**

Formerly known as Graphic Design, Visual Communications Design courses emphasize applying fundamental processes of artistic expression through the exploration of the purposeful arrangement of images, symbols, and text to communicate a message. These courses may include investigations of how technology influences the creation of graphic and digital designs and study historical and contemporary visual communications design. These courses also provide instruction in the process of responding to their own art and that of others including master designers through analysis, critique, and interpretation for the purpose of reflecting on and refining work. (Available SY 2011-.)

### **05111A000 Vocal Ensembles**

Vocal Ensemble courses help students develop vocal techniques and refine their ability to sing parts in small ensembles (e.g., madrigal, barber shop, gospel). Course goals may include helping students develop their solo singing ability and emphasize one or several ensemble literature styles. These ensembles may include both instrumental and vocal music and include experiences in creating and responding to music. (Available SY 2011-.)

### **55111A000 Vocal Ensembles (prior-to-secondary)**

Vocal Ensemble courses are intended to develop vocal techniques and the ability to sing parts in small ensemble or madrigal groups. Course goals may include the development of solo or improvisational singing ability and may emphasize one or several ensemble literature styles. (Available SY 2012-2023.)

### **05254A000 Web Design**

Web Design courses explore the creative and conceptual aspects of designing and developing interactive, multimedia web sites that emphasize the principles of graphic design, interactivity, and usability. Students learn about a variety of visual, navigational, and structural approaches to navigation systems, visual hierarchy, basic animations, image preparation and file transferring protocols. Topics may include conceptual development and structure, interactivity, and design aesthetics; appreciation and analysis development, construction, and programming of virtual, multimedia, and interactive experiences; their applications in Internet communications; and contextual, cultural, and historical aspects and considerations. (Available SY 2021-.)

### **05008A000 World/Cultural Dance**

World/Cultural Dance courses help students develop an understanding of authentic dances from other nations in the context of the people's history, culture, and customs. These courses may

involve creating, performing, and responding to dances of other cultures and/or time periods.  
(Available SY 2021-.)

## **07 Religious Education and Theology**

### **07008A000 Bible History**

Bible History courses treat the Bible as a historical document and provide an overview of significant biblical events. The content usually includes geography; the relationship among cultures, belief systems, and the events chronicled in the Bible; and early Jewish or Christian Church history. (Available SY 2011-.)

### **57008A000 Bible History (prior-to-secondary)**

Bible History courses treat the Bible as a historical document and provide an overview of significant biblical events. The content usually includes geography; the relationship among cultures, belief systems, and the events chronicled in the Bible; and early Jewish or Christian Church history. (Available SY 2012-2023.)

### **07009A000 Christology**

Christology courses concern the work and life of Jesus Christ and the literature related to him. Course content is typically based on Christian scriptures, leading to an examination of the message of Jesus Christ and applying His message to daily life. (Available SY 2011-.)

### **07002A000 Comparative Religion**

Comparative Religion courses survey and compare the various forms and values of several world religions, offering students a basic understanding of the world's diverse religious faiths and practices. Course topics typically include the belief systems of adherents; the relationships among humans, nature, ancestors, and the spiritual world; and the historical development of each religion. (Available SY 2011-.)

### **07003A000 Eastern Religions**

Similar to Comparative Religion, Eastern Religions courses provide students with an overview of various religions and belief systems but focus on those of the Eastern World. Particular religious or philosophical systems of study usually include Buddhism, Hinduism, Islam, Taoism, Shintoism, and Confucianism, among others. (Available SY 2011-.)

### **07015A000 Faith and Lifestyle**

Faith and Lifestyle courses focus on the development of young adults from puberty to adulthood, approached from the perspective of a faith or church. In these courses, the religion's values and traditions provide an underpinning for examining such topics as identity, independence, sexuality, employment, and leisure. Typically, Faith and Lifestyle courses include discussions about adult roles— single life, marriage, religious life, and ordained ministry. (Available SY 2011-.)

### **57015A000 Faith and Lifestyle (prior-to-secondary)**

Faith and Lifestyle courses focus on the development of young adults from puberty to adulthood, approached from the perspective of a faith or church. In these courses, the religion's values and traditions provide an underpinning for examining such topics as identity, independence, sexuality, employment, and leisure. Typically, Faith and Lifestyle courses include discussions about adult roles—single life, marriage, religious life, and ordained ministry. (Available SY 2012-2023.)

### **07017A000 IB World Religions**

### **IB Course**

IB World Religions courses prepare students to take the International Baccalaureate exam. These courses are designed to provide students with the means to study the beliefs and practices of nine main religions of the world. These courses may include an in-depth study of several religions with an emphasis on thematic elements. An investigative study of the religious experience is also included. (Available SY 2021-.)

### **07014A000 Justice, Peace, and Faith**

Justice, Peace, and Faith courses examine the scriptural foundations for justice, typically with a historical overview of a faith's social teaching. These courses discuss such topics as poverty, hunger, conflict, discrimination, justice, and environmental issues, with a view toward developing students' ability to critically reflect upon and analyze their own roles and responsibilities. (Available SY 2011-.)

### **07011A000 Liturgy and Prayer**

Liturgy and Prayer courses vary widely, usually depending upon the underlying religion, but generally seek to inform students about the meaning and message of public and private worship. Course content typically includes an examination or exploration of common rituals, spoken or sung prayers, and observed sacraments. (Available SY 2011-.)

### **07016A000 Ministry**

Ministry courses introduce students to the vocation of service. Students may learn counseling skills, plan and participate in religious services, and minister to younger students or to members of the local community (assisting in hospitals and convalescent homes, crisis centers, soup kitchens, and so on). (Available SY 2011-.)

### **07007A000 New Testament**

New Testament courses emphasize understanding and interpreting the sacred writings of the New Testament from the standpoint of a religious faith and may focus on one or several religious books. Course content typically focuses on themes, theological concepts, and portrayal of ethical messages, but may also include critique and commentary. (Available SY 2011-.)

### **57007A000 New Testament (prior-to-secondary)**

New Testament courses emphasize understanding and interpreting the sacred writings of the New Testament from the standpoint of a religious faith and may focus on one or several religious books. Course content typically focuses on themes, theological concepts, and portrayal of ethical messages, but may also include critique and commentary. (Available SY 2012-2023.)

### **07006A000 Old Testament**

Old Testament courses emphasize understanding and interpreting the sacred writings of the Old Testament from the standpoint of a religious faith and may focus on one or several books. Course content typically focuses on themes, theological concepts, and portrayal of ethical messages, but may also include critique and commentary. (Available SY 2011-.)

### **57006A000 Old Testament (prior-to-secondary)**

Old Testament courses emphasize understanding and interpreting the sacred writings of the Old Testament from the standpoint of a religious faith and may focus on one or several books. Course content typically focuses on themes, theological concepts, and portrayal of ethical messages, but may also include critique and commentary. (Available SY 2012-2023.)

### **07018A000 Particular Topics in Religion**

Particular Topics in Religion courses focus on a specific topic within the field of religion (such as religious identity or the investigation of a particular figure) not otherwise described in this classification system. (Available SY 2021-.)



### **07012A000 Prayer and Spirituality**

Prayer and Spirituality courses vary widely, but seek to enable students to experience deeper communion with the divine through public and private worship. Course content may include an examination or exploration of traditional and contemporary practices. (Available SY 2011-.)

### **57997A000 Religious Education and Theology – Independent Study**

Religious Education and Theology-Independent Study courses, often conducted with instructors, members of the clergy, or religious leaders as mentors, enable students to explore topics of interest related to religion or theology. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular religion, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **57999A000 Religious Education and Theology – Other**

(Available SY 2012-2023.)

### **07995A000 Religious Education and Theology—Aide**

Religious Education and Theology—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

### **07997A000 Religious Education and Theology—Independent Study**

Religious Education and Theology—Independent Study courses, often conducted with instructors, members of the clergy, or religious leaders as mentors, enable students to explore topics of interest related to religion or theology. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular religion, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **07999A000 Religious Education and Theology—Other**

Other Religious Education and Theology courses. (Available SY 2011-.)

### **07998A000 Religious Education and Theology—Workplace Experience**

Religious Education and Theology—Workplace Experience courses provide students with work experience in a field related to religion and theology. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **07013A000 Religious Ethics and Morality**

Usually including an introduction to or examination of the tenets of a particular faith, Religious Ethics and Morality courses seek to enable students to apply the moral teachings of a faith to their own lives, to the larger community, and to their decision-making processes. Course content may focus on such issues as peace and justice, death and dying, human sexuality, professional ethics, and human rights. (Available SY 2011-.)

### **07010A000 Religious Figures**

Religious Figures courses offer students the opportunity to examine the lives and messages of one or several people who are central to a religious faith, such as a prophet, apostle, philosopher, or leader. In addition to a historical study of the person (or people), these courses typically emphasize how the teachings of these individuals influence the faith and culture of a religious group. (Available SY 2011-.)

### **07001A000 Religious Foundations**

Religious Foundations courses' primary objectives include instruction in the history, tenets, and organization of a religion; development of personal faith and conviction; and exposure to the ways in which daily life may reflect personal religious beliefs. These courses typically include various components particular to a specific religion, such as religious sacraments and symbols, food laws, the authority and structure of the church, the church calendar, and so on. (Available SY 2011-.)

### **57001A000 Religious Foundations (prior-to-secondary)**

Religious Foundations courses' primary objectives include instruction in the history, tenets, and organization of a religion; development of personal faith and conviction; and exposure to the ways in which daily life may reflect personal religious beliefs. These courses typically include various components particular to a specific religion, such as religious sacraments and symbols, food laws, the authority and structure of the church, the church calendar, and so on. (Available SY 2012-2023.)

### **07005A000 Scriptures**

Scriptures courses emphasize understanding and interpreting the sacred writings of a faith (such as the Bible, Torah, Koran, Book of Mormon, and so on) from the standpoint of a religious faith. Course objectives are designed so that students may comprehend the theological, doctrinal, and ethical messages contained within religious scriptures. (Available SY 2011-.)

### **57005A000 Scriptures (prior-to-secondary)**

Scriptures courses emphasize understanding and interpreting the sacred writings of a faith (such as the Bible, Torah, Koran, Book of Mormon, and so on) from the standpoint of a religious faith. Course objectives are designed so that students may comprehend the theological, doctrinal, and ethical messages contained within religious scriptures. (Available SY 2012-2023.)

### **07004A000 Western Religions**

Similar to Comparative Religion, Western Religions courses provide students with an overview of various religions and belief systems but focus on those of the Western World. Particular religious or philosophical systems of study usually include Judaism; Christianity (including various faiths such as those of Catholics, Episcopalians, Baptists, Quakers, Mormons, Mennonites, and others); and Native Indian belief systems, among others. (Available SY 2011-.)

## **08 Physical, Health, and Safety Education**

### **08007A000 Adapted Physical Education**

These courses provide physical education activities (sports, fitness, and conditioning) adapted for students with special needs. (Available SY 2011-2020.)

### **08010A000 Aquatics/Water Sports**

Aquatic/Water Sports courses help students develop skills useful or necessary in an aquatic environment. They may focus on swimming and competitive strokes, such as freestyle, breaststroke, butterfly, and so on or may involve team-oriented water sports, such as water polo and relay swimming. These courses may also include (or concentrate exclusively on) diving and/or lifesaving skills. (Available SY 2011-.)

### **58010A000 Aquatics/Water Sports (prior-to-secondary)**

Aquatic Sports courses help students develop skills useful or necessary in an aquatic environment. They may focus on swimming and competitive strokes, such as freestyle, breaststroke, butterfly, and so on or may involve team-oriented water sports, such as water polo and relay swimming. These courses may also include (or concentrate exclusively on) diving and/or lifesaving skills. (Available SY 2012-2023.)

### **08018A000 Coaching**

Coaching courses emphasize the responsibilities, duties, and problems in training and instructing athletes and athletic teams. Course topics typically include principles of behavior, teaching, physical and mental training, and team management. Different coaching philosophies, outcomes, and styles may also be covered. (Available SY 2021-.)

### **08053A000 Community Health**

Community Health courses cover not only personal health topics (nutrition, stress management, substance abuse prevention, disease prevention, first aid, and so on), but also more general health issues. These additional topics may include (among others) available community resources, fundamentals of the nation's health care system, contemporary world health issues, and career options within the health field. (Available SY 2011-.)

### **08006A000 Corps Movement**

Corps Movement courses emphasize physical conditioning, fundamentals of movement, group precision, and public performance. The courses may be intended for members of various teams, including flag corps, rifle corps, cheerleading squads, and so on. (Available SY 2011-.)

### **08152A001 Driver Education — Laboratory Only**

Drivers' Education—Laboratory Only or “Behind-the-Wheel” courses provide students with the experience to become safe drivers on America’s roadways. Topics in these courses include legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver’s capability (including alcohol and other drugs). Students must complete a minimum of six clock hours of behind-the-wheel experience to qualify for completion of this course. (Available SY 2022-.)

### **08152A000 Drivers' Education—Classroom and Laboratory**

Drivers' Education—Classroom and Laboratory courses provide students with the knowledge and experience to become safe drivers on America’s roadways. Topics in these courses cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver’s capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of these courses. (Available SY 2011-.)

### **08151A000 Drivers' Education—Classroom Only**

Drivers' Education—Classroom Only courses provide students with the knowledge to become safe drivers on America’s roadways. Topics in these courses include legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver’s capability (including alcohol and other drugs). (Available SY 2011-.)

### **08197A000 Drivers' Education—Independent Study**

Courses in Drivers' Education—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to drivers' education. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **08199A000 Drivers' Education—Other**

Other Driver's Education courses. (Available SY 2011-.)

### **08198A000 Drivers' Education—Workplace Experience**

Drivers' Education—Workplace Experience courses provide work experience in a field related to drivers' education. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **08055A001 First Aid and Safety**

**CTE Course**

Safety and First Aid courses provide specialized instruction in first aid techniques, cardiopulmonary resuscitation (CPR), relief of obstructed airways, and general safety procedures and behaviors. These courses may include such topics as an overview of community agencies and hotlines providing emergency care and information and opportunities for first aid and CPR certification. Instructors must have the requisite training and/or certifications to provide this training. (Available SY 2021-.)

### **08005A000 Fitness/Conditioning Activities**

Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness. (Available SY 2011-.)

### **58005A000 Fitness/Conditioning Activities (prior-to-secondary)**

Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness. (Available SY 2012-2023.)

### **08008A000 Gymnastics**

Gymnastics courses are designed to help students develop knowledge and skills in gymnastics, stunts, and tumbling while emphasizing safety. Floor gymnastics may be supplemented by the use of gymnastic equipment such as balance beam, uneven bars, parallel bars, rings, and so on. Gymnastic courses may include other components such as the history of gymnastics and conditioning. (Available SY 2011-.)

### **58008A000 Gymnastics (prior-to-secondary)**

Gymnastics courses are designed to help students develop knowledge and skills in gymnastics, stunts, and tumbling while emphasizing safety. Floor gymnastics may be supplemented by the use of gymnastic equipment such as the balance beam, uneven bars, parallel bars, rings, and so on. Gymnastic courses may include other components such as the history of gymnastics and conditioning. (Available SY 2012-2023.)

### **08052A000 Health and Fitness**

Health and Fitness courses combine the topics of Health Education courses (nutrition, stress management, substance abuse prevention, disease prevention, first aid, and so on) with an active fitness component (typically including aerobic activity and fitness circuits) with the intention of conveying the importance of life-long wellness habits. (Available SY 2011-.)

### **58052A000 Health and Fitness (prior-to-secondary)**

Health and Fitness courses combine the topics of Health Education courses (nutrition, stress management, substance abuse prevention, disease prevention, first aid, and so on) with an active fitness component (typically including aerobic activity and fitness circuits) with the intention of conveying the importance of life-long wellness habits. (Available SY 2012-2023.)

### **08057A000 Health and Life Management**

Health and Life Management courses focus as much on consumer education topics (such as money management and evaluation of consumer information and advertising) as on personal health topics (such as nutrition, stress management, drug/alcohol abuse prevention, disease prevention, and first aid). Course objectives include helping students develop decision-making, communication, interpersonal, and coping skills and strategies. (Available SY 2011-.)

### **58057A000 Health and Life Management (prior-to-secondary)**

Health and Life Management courses focus as much on consumer education topics (such as money management and evaluation of consumer information and advertising) as on personal health topics (such as nutrition, stress management, drug/alcohol abuse prevention, disease prevention, and first aid). Course objectives include helping students develop decision-making, communication, interpersonal, and coping skills and strategies. (Available SY 2012-2023.)

### **08051A000 Health Education**

Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources. (Available SY 2011-.)

### **08068A000 Health Education (early childhood education)**

Health Education (early childhood education) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for early childhood education. (Available SY 2021-.)

### **08071A000 Health Education (grade 1)**

Health Education (grade 1) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for grade 1. (Available SY 2021-.)

### **08072A000 Health Education (grade 2)**

Health Education (grade 2) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for grade 2. (Available SY 2021-.)

### **08073A000 Health Education (grade 3)**

Health Education (grade 3) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community



health; and factors that influence health. Specific content depends upon state standards for grade 3. (Available SY 2021-.)

#### **08074A000 Health Education (grade 4)**

Health Education (grade 4) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for grade 4. (Available SY 2021-.)

#### **08075A000 Health Education (grade 5)**

Health Education (grade 5) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for grade 5. (Available SY 2021-.)

#### **08076A000 Health Education (grade 6)**

Health Education (grade 6) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for grade 6. (Available SY 2021-.)

#### **08077A000 Health Education (grade 7)**

Health Education (grade 7) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for grade 7. (Available SY 2021-.)

### **08078A000 Health Education (grade 8)**

Health Education (grade 8) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for grade 8. (Available SY 2021-.)

### **08070A000 Health Education (kindergarten)**

Health Education (kindergarten) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for kindergarten. (Available SY 2021-.)

### **08069A000 Health Education (pre-kindergarten)**

Health Education (pre-kindergarten) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for pre-kindergarten. (Available SY 2021-.)

### **58051A000 Health Education (prior-to-secondary)**

Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources. (Available SY 2012-2023.)

### **58097A000 Health Education – Independent Study**

Courses in Health Education-Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to health and health education. Independent Study courses may provide the opportunity for students to expand expertise in a particular application, to explore a topic of special interest in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **08079A000 Health Education—General**

Health Education—General courses involve health-related content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Health Education, early childhood education through grade 8).] (Available SY 2021-.)

### **08097A000 Health Education—Independent Study**

Courses in Health Education—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to health and health education. Independent Study courses may provide students with opportunity to expand expertise in a particular application, to explore a topic of special interest in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **08099A000 Health Education—Other**

Other Health Education courses. (Available SY 2011-.)

### **08098A000 Health Education—Workplace Experience**

Health Education—Workplace Experience courses provide work experience in a field related to health education. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences encountered in the workplace. (Available SY 2011-.)

### **08056A000 Health for Parenting Teens**

Designed for pregnant teens and/or parents, topics within Health for Parenting Teens courses cover a wide range of both health and parenting issues, typically including prenatal and postnatal care, health and well-being of young parents, child development, stress management, and parental/adult roles. The courses may also involve academic assistance, career exploration, financial management, and so on. (Available SY 2011-.)

**08040A000 IB Physical and Health Education, Middle Years Program****IB Course**

International Baccalaureate (IB) Physical and Health Education, Middle Years Program courses aim to facilitate physical, intellectual, emotional, and social development, and to cultivate a healthy and active lifestyle. These courses include activities that are enjoyable and contribute to healthy living. They help students develop motor skills necessary to participate in a variety of physical activities, and to learn about the nature of physical fitness. (Available SY 2012-.)

**08003A000 Individual/Dual Sports**

Individual/Dual Sports courses provide students with knowledge, experience, and an opportunity to develop skills in more than one individual or dual sport (such as tennis, golf, badminton, jogging/running, racquetball, and so on). (Available SY 2011-.)

**58003A000 Individual/Dual Sports (prior-to-secondary)**

Individual/Dual Sports courses provide to students the knowledge, experience, and opportunity to develop skills in more than one individual or dual sport (such as tennis, golf, badminton, jogging/running, racquetball, and so on). (Available SY 2012-2023.)

**08016A000 Lifetime Fitness Education**

Lifetime Fitness Education courses emphasize acquiring knowledge and skills regarding lifetime physical fitness; content may include related topics such as nutrition, stress management, and consumer issues. Students may develop and implement a personal fitness plan. (Available SY 2011-.)

**58016A000 Lifetime Fitness Education (prior-to-secondary)**

Lifetime Fitness Education courses emphasize acquiring knowledge and skills regarding lifetime physical fitness; content may include related topics such as nutrition, stress management, and consumer issues. Students may develop and implement a personal fitness plan. (Available SY 2012-2023.)

**08015A000 Off-Campus Sports**

Off-Campus Sports courses award physical education credit for off-campus sports activities (e.g., swimming, weight training, or any individual or team sports) taken at a community center or other location off the school campus. (Available SY 2011-.)

### **08019A000 Officiating**

Officiating courses provide students with the knowledge, skills, and abilities to serve as a referee, umpire, judge, or other official for a sports contest, emphasizing rule interpretation and the proper mechanics of officiating. (Available SY 2021-.)

### **08101A000 Physical and Health Education**

Physical and Health Education courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. (Available SY 2021-.)

### **08102A000 Physical and Health Education (early childhood education)**

Physical and Health Education (early childhood education) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for early childhood education. (Available SY 2021-.)

### **08105A000 Physical and Health Education (grade 1)**

Physical and Health Education (grade 1) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for grade 1. (Available SY 2021-.)

### **08106A000 Physical and Health Education (grade 2)**

Physical and Health Education (grade 2) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for grade 2. (Available SY 2021-.)

### **08107A000 Physical and Health Education (grade 3)**

Physical and Health Education (grade 3) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for grade 3. (Available SY 2021-.)

### **08108A000 Physical and Health Education (grade 4)**

Physical and Health Education (grade 4) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for grade 4. (Available SY 2021-.)

### **08109A000 Physical and Health Education (grade 5)**

Physical and Health Education (grade 5) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for grade 5. (Available SY 2021-.)

### **08110A000 Physical and Health Education (grade 6)**

Physical and Health Education (grade 6) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for grade 6. (Available SY 2021-.)

### **08111A000 Physical and Health Education (grade 7)**

Physical and Health Education (grade 7) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with

instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for grade 7. (Available SY 2021-.)

### **08112A000 Physical and Health Education (grade 8)**

Physical and Health Education (grade 8) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for grade 8. (Available SY 2021-.)

### **08104A000 Physical and Health Education (kindergarten)**

Physical and Health Education (kindergarten) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for kindergarten. (Available SY 2021-.)

### **08103A000 Physical and Health Education (pre-kindergarten)**

Physical and Health Education (pre-kindergarten) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for pre-kindergarten. (Available SY 2021-.)

### **08113A000 Physical and Health Education—General**

Physical and Health Education—General courses involve physical- and health-related content that is not grade differentiated and may apply to a range of consecutive grades (e.g., ‘by third grade, students should know and be able to do...’). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Physical and Health Education, early childhood education through grade 8).] (Available SY 2021-.)

### **08147A000 Physical and Health Education—Independent Study**

Courses in Physical and Health Education—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to Physical and Health Education. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular sport or activity, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2021-.)

### **08149A000 Physical and Health Education—Other**

Other Physical and Health Education courses. (Available SY 2021-.)

### **08148A000 Physical and Health Education—Workplace Experience**

Physical and Health Education—Workplace Experience courses provide work experience in a field related to Physical and Health Education. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences encountered in the workplace. (Available SY 2021-.)

### **08001A000 Physical Education**

Physical Education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities. (Available SY 2011-.)

### **08028A000 Physical Education (early childhood education)**

Physical Education (early childhood education) courses emphasize fundamental movement skills, body awareness and control, safety, and the enjoyment of physical activity. Specific content depends upon state standards for early childhood education. (Available SY 2024-.)

### **58028A000 Physical Education (early childhood education)**

Physical Education (early childhood education) courses emphasize fundamental movement skills, body awareness and control, safety, and the enjoyment of physical activity. Specific content depends upon state standards for early childhood education. (Available SY 2012-2023.)



**58031A000 Physical Education (grade 1)**

Physical Education (grade 1) courses typically emphasize knowledge and skills that lead to health, enjoyment, and social development through physical activity. Course content may include activities that strengthen gross and fine motor skills, body awareness, safety, and the relationship between physical activity and health. Specific content depends upon state standards for grade 1. (Available SY 2012-2023.)

**08031A000 Physical Education (grade 1)**

Physical Education (grade 1) courses typically emphasize knowledge and skills that lead to health, enjoyment, and social development through physical activity. Course content may include activities that strengthen gross and fine motor skills, body awareness, safety, and the relationship between physical activity and health. Specific content depends upon state standards for grade 1. (Available SY 2024-.)

**08032A000 Physical Education (grade 2)**

Physical Education (grade 2) courses typically emphasize knowledge and skills that lead to health, enjoyment, and social development through physical activity. Course content may include activities that strengthen gross and fine motor skills, body awareness, safety, and the relationship between physical activity and health. Specific content depends upon state standards for grade 2. (Available SY 2024-.)

**58032A000 Physical Education (grade 2)**

Physical Education (grade 2) courses typically emphasize knowledge and skills that lead to health, enjoyment, and social development through physical activity. Course content may include activities that strengthen gross and fine motor skills, body awareness, safety, and the relationship between physical activity and health. Specific content depends upon state standards for grade 2. (Available SY 2012-2023.)

**58033A000 Physical Education (grade 3)**

Physical Education (grade 3) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Locomotor skills, strength, endurance, flexibility, safety, and rules and conventions of games and sports are often the focus; health education topics may also be included. Specific content depends upon state standards for grade 3. (Available SY 2012-2023.)

**08033A000 Physical Education (grade 3)**

Physical Education (grade 3) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Locomotor skills, strength, endurance, flexibility, safety, and rules and conventions of games and sports are often the focus; health education topics may also be included. Specific content depends upon state standards for grade 3. (Available SY 2024-.)

**08034A000 Physical Education (grade 4)**

Physical Education (grade 4) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Locomotor skills, strength, endurance, flexibility, safety, and rules and conventions of games and sports are often the focus; health education topics may also be included. Specific content depends upon state standards for grade 4. (Available SY 2024-.)

**58034A000 Physical Education (grade 4)**

Physical Education (grade 4) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Locomotor skills, strength, endurance, flexibility, safety, and rules and conventions of games and sports are often the focus; health education topics may also be included. Specific content depends upon state standards for grade 4. (Available SY 2012-2023.)

**58035A000 Physical Education (grade 5)**

Physical Education (grade 5) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Locomotor skills, strength, endurance, flexibility, safety, and rules and conventions of games and sports are often the focus; health education topics may also be included. Specific content depends upon state standards for grade 5. (Available SY 2012-2023.)

**08035A000 Physical Education (grade 5)**

Physical Education (grade 5) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Locomotor skills, strength, endurance, flexibility, safety, and rules and conventions of games and sports are often the focus; health education topics may also be included. Specific content depends upon state standards for grade 5. (Available SY 2024-.)

**08036A000 Physical Education (grade 6)**

Physical Education (grade 6) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Activities typically include those that increase strength, endurance, and flexibility; reinforce safe technique; teach the rules and conventions of games and sports; and explore the relationship between physical activity and health. Health topics (such as the effects of drugs and alcohol, sexual education, and healthy lifestyles) may also be included. Specific content depends upon state standards for grade 6. (Available SY 2024-.)

**58036A000 Physical Education (grade 6)**

Physical Education (grade 6) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Activities typically include those that increase strength, endurance, and flexibility; reinforce safe technique; teach the rules and conventions of games and sports; and explore the relationship between physical activity and health. Health topics (such as the effects of drugs and alcohol, sexual education, and healthy lifestyles) may also be included. Specific content depends upon state standards for grade 6. (Available SY 2012-2023.)

**58037A000 Physical Education (grade 7)**

Physical Education (grade 7) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Activities typically include those that increase strength, endurance, and flexibility; reinforce safe technique; teach the rules and conventions of games and sports; and explore the relationship between physical activity and health. Health topics (such as the effects of drugs and alcohol, sexual education, and healthy lifestyles) may also be included. Specific content depends upon state standards for grade 7. (Available SY 2012-2023.)

**08037A000 Physical Education (grade 7)**

Physical Education (grade 7) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Activities typically include those that increase strength, endurance, and flexibility; reinforce safe technique; teach the rules and conventions of games and sports; and explore the relationship between physical activity and health. Health topics (such as the effects of drugs and alcohol, sexual education, and healthy lifestyles) may also be included. Specific content depends upon state standards for grade 7. (Available SY 2024-.)

**08038A000 Physical Education (grade 8)**

Physical Education (grade 8) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Activities typically include those that increase strength, endurance, and flexibility; reinforce safe technique; teach the rules and conventions of games and sports; and explore the relationship between physical activity and health. Health topics (such as the effects of drugs and alcohol, sexual education, and healthy lifestyles) may also be included. Specific content depends upon state standards for grade 8. (Available SY 2024-.)

**58038A000 Physical Education (grade 8)**

Physical Education (grade 8) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Activities typically include those that increase strength, endurance, and flexibility; reinforce safe technique; teach the rules and conventions of games and sports; and explore the relationship between physical activity and health. Health topics (such as the effects of drugs and alcohol, sexual education, and healthy lifestyles) may also be included. Specific content depends upon state standards for grade 8. (Available SY 2012-2023.)

**58029A000 Physical Education (pre-kindergarten)**

Physical Education (pre-kindergarten) courses emphasize fundamental movement skills, body awareness and control, safety, and the enjoyment of physical activity. Specific content depends upon state standards for pre-kindergarten. (Available SY 2012-2023.)

**08029A000 Physical Education (pre-kindergarten)**

Physical Education (pre-kindergarten) courses emphasize fundamental movement skills, body awareness and control, safety, and the enjoyment of physical activity. Specific content depends upon state standards for pre-kindergarten. (Available SY 2024-.)

**08030A000 Physical Education (kindergarten)**

Physical Education (kindergarten) courses emphasize fundamental movement skills, body awareness and control, safety, and the enjoyment of physical activity. Specific content depends upon state standards for kindergarten. (Available SY 2024-.)

**58030A000 Physical Education (kindergarten)**

Physical Education (kindergarten) courses emphasize fundamental movement skills, body awareness and control, safety, and the enjoyment of physical activity. Specific content depends upon state standards for kindergarten. (Available SY 2012-2023.)

**58001A000 Physical Education (prior-to-secondary)**

Physical Education courses provide to students the knowledge, experience, and opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities. (Available SY 2012-2023.)

**58047A000 Physical Education – Independent Study**

Courses in Physical Education-Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to physical education. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular sport or activity, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

**58049A000 Physical Education – Other**

(Available SY 2012-2023.)

**08014A000 Physical Education Equivalent**

Physical Education Equivalent courses award physical education credit for other at-school activities, such as marching band or cheerleading. (Dance is included under the Fine and Performing Arts subject area.) (Available SY 2011-.)

**08201A000 Physical Education/Health/Drivers' Education**

Physical Education/Health/Drivers' Education courses combine a range of activities and topics involving physical skills, human health issues, and safe driving. They are offered in ways that cover two or three of these areas. The physical education portion of these courses draws on team, individual, dual, recreational, and/or conditioning activities. The human health portion typically covers issues such as nutrition, stress management, drug/alcohol abuse prevention, and first aid. The drivers' education portion usually includes legal obligations and responsibilities, rules of the road and traffic procedures, safe driving strategies, and related topics. (Available SY 2011-.)

### **58039A000 Physical Education—General**

Physical Education—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Physical Education, early childhood education through grade 8).] (Available SY 2012-2023.)

### **08039A000 Physical Education—General**

Physical Education—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Physical Education, early childhood education through grade 8).] (Available SY 2024-.)

### **08047A000 Physical Education—Independent Study**

Courses in Physical Education—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to physical education. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular sport or activity, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **08049A000 Physical Education—Other**

Other Physical Education courses. (Available SY 2011-.)

### **08048A000 Physical Education—Workplace Experience**

Physical Education—Workplace Experience courses provide work experience in a field related to physical education. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences encountered in the workplace. (Available SY 2011-.)

### **58997A000 Physical, Health, and Safety Education – Independent Study**

Courses in Physical, Health, and Safety Education-Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to physical, health, and safety education. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced physical, health, and/ or safety skills. (Available SY 2012-2023.)

### **58999A000 Physical, Health, and Safety Education – Other**

(Available SY 2012-2023.)

### **08995A000 Physical, Health, and Safety Education—Aide**

Physical, Health, and Safety Education—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

### **08997A000 Physical, Health, and Safety Education—Independent Study**

Courses in Physical, Health, and Safety Education—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to physical, health, and safety education. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced physical, health and/or safety skills. (Available SY 2011-.)

### **08999A000 Physical, Health, and Safety Education—Other**

Other Physical, Health, and Safety Education courses. (Available SY 2011-.)

### **08998A000 Physical, Health, and Safety Education—Workplace Experience**

Physical, Health, and Safety Education—Workplace Experience courses provide work experience in a field related to physical, health, and safety education. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **08004A000 Recreation Sports**

Recreation Sports courses provide students with knowledge, experience, and an opportunity to develop skills in more than one recreational sport or outdoor pursuit (such as adventure activities, croquet, Frisbee, wall climbing, bocce ball, fishing, hiking, cycling, and so on). (Available SY 2011-.)

### **58004A000 Recreation Sports (prior-to-secondary)**

Recreation sports courses provide to students the knowledge, experience, and opportunity to develop skills in more than one recreational sport or outdoor pursuit (such as adventure activities, croquet, Frisbee, wall climbing, bocce ball, fishing, hiking, cycling, and so on). (Available SY 2012-2023.)

### **08055A000 Safety and First Aid**

Safety and First Aid courses provide specialized instruction in first aid techniques, cardiopulmonary resuscitation (CPR), relief of obstructed airways, and general safety procedures and behaviors. These courses may include such topics as an overview of community agencies and hotlines providing emergency care and information and opportunities for first aid and CPR certification. (Available SY 2011-.)

### **08012A000 Self-defense**

Self-defense courses help students develop knowledge, skills, and abilities to defend themselves against attack by others, usually incorporating traditional self-defense methods. Students may also be taught techniques from martial arts, addressing the differences among those arts and their contribution to defense and sport. (Available SY 2011-.)

### **08054A000 Special Needs Health Education**

Special Needs Health Education courses focus on the health requirements of individuals with special needs and emphasize meeting those needs within the home setting. These courses provide information regarding the elderly and individuals with disabilities, handicaps, and/or debilitating illnesses, along with strategies to prepare students for their possible roles as caretakers. (Available SY 2011-2020.)

### **08013A000 Specific Sports Activities**

Specific Sports Activities courses help students develop knowledge, experience, and skills in a single sport or activity (such as basketball, volleyball, football, baseball, hockey, wrestling, soccer,



track and field, and equestrian events) other than those coded within this section. (Dance is included under the Fine and Performing Arts subject area.) (Available SY 2011-.)

### **58013A000 Specific Sports Activities (prior-to-secondary)**

Courses in Specific Sports Activities help students develop knowledge, experience, and skills in a single sport or activity (such as basketball, volleyball, track and field, and equestrian events) other than those coded within this section. (Dance is included under the Fine and Performing Arts subject area.) (Available SY 2012-2023.)

### **08017A000 Sports Physiology**

Courses in Sports Physiology examine human anatomy and physiology as they pertain to human movement and physical performance in sports activities. These courses may also emphasize the prevention and treatment of athletic injuries. (Available SY 2011-.)

### **08058A000 Substance Abuse Prevention**

Substance Abuse Prevention courses focus specifically on the health risks of drugs, alcohol and tobacco. These courses provide information on the negative consequences of these products and teach students coping strategies to resist the influences (such as peers and media images) that may entice them to use these substances. Students may also explore the community resources available to them. (Available SY 2011-.)

### **58058A000 Substance Abuse Prevention (prior-to-secondary)**

Substance Abuse Prevention courses focus specifically on the health risks of drugs, alcohol, and tobacco. These courses provide information on the negative consequences of these products and teach students coping strategies to resist the influences (such as peers and media images) that may entice them to use these substances. Students may also explore the community resources available to them. (Available SY 2012-2023.)

### **08002A000 Team Sports**

Team Sports courses provide to students the knowledge, experience, and opportunity to develop skills in more than one team sport (such as volleyball, basketball, soccer, and so on). (Available SY 2011-.)

**58002A000 Team Sports (prior-to-secondary)**

Team Sports courses provide to students the knowledge, experience, and opportunity to develop skills in more than one team sport (such as volleyball, basketball, soccer, and so on). (Available SY 2012-2023.)

**08011A000 Tennis**

Tennis courses help students develop knowledge, skills, and abilities related to the sport of singles or doubles tennis, including shots (such as serves, forehand strokes, backhand strokes, and lobs), scoring, and strategy. (Available SY 2011-.)

**08009A000 Weight Training**

Weight Training courses help students develop knowledge and skills with free weights and universal stations while emphasizing safety and proper body positioning; they may include other components such as anatomy and conditioning. (Available SY 2011-.)

## **09 Military Science**

### **09151A000 Air Force Junior ROTC I**

Air Force Junior Reserve Officer Training Corps (ROTC) I courses include both aerospace studies and leadership/life skills education. In these courses, leadership/life skills lessons cover the heritage and development of the Air Force, including its structure, operations, customs, and courtesies. Aerospace topics include the development, history, and impact of flight; aircraft and spacecraft; and the environment in which these crafts operate. (Available SY 2011-.)

### **09151A001 Air Force Junior ROTC I**

#### **CTE Course**

Air Force Junior Reserve Officer Training Corps (ROTC) I courses include both aerospace studies and leadership/life skills education. In these courses, leadership/life skills lessons cover the heritage and development of the Air Force, including its structure, operations, customs, and courtesies. Aerospace topics include the development, history, and impact of flight; aircraft and spacecraft; and the environment in which these crafts operate. (Available SY 2022-.)

### **09152A000 Air Force Junior ROTC II**

Air Force Junior Reserve Officer Training Corps (ROTC) II courses include both aerospace studies and leadership/life skills education. In these courses, leadership/life skills lessons cover intercommunication skills, drill, and military ceremonies. Aerospace topics emphasize the science of flight, including factors of aerospace power, aircraft flight, and navigation. (Available SY 2011-.)

### **09152A001 Air Force Junior ROTC II**

#### **CTE Course**

Air Force Junior Reserve Officer Training Corps (ROTC) II courses include both aerospace studies and leadership/life skills education. In these courses, leadership/life skills lessons cover intercommunication skills, drill, and military ceremonies. Aerospace topics emphasize the science of flight, including factors of aerospace power, aircraft flight, and navigation. (Available SY 2022-.)

### **09153A000 Air Force Junior ROTC III**

Air Force Junior Reserve Officer Training Corps (ROTC) III courses include both aerospace studies and leadership/life skills education. These courses continue to develop students' life and leadership skills and the ways in which they apply to military life. Aerospace topics emphasize

space technology and exploration; examine national defense systems; and advance students' knowledge of aviation, propulsion, and navigation. (Available SY 2011-.)

### **09153A001 Air Force Junior ROTC III**

### **CTE Course**

Air Force Junior Reserve Officer Training Corps (ROTC) III courses include both aerospace studies and leadership/life skills education. These courses continue to develop students' life and leadership skills and the ways in which they apply to military life. Aerospace topics emphasize space technology and exploration; examine national defense systems; and advance students' knowledge of aviation, propulsion, and navigation. (Available SY 2022-.)

### **09154A000 Air Force Junior ROTC IV**

Air Force Junior Reserve Officer Training Corps (ROTC) IV courses include both aerospace studies and leadership/life skills education. The life skills education portion of these courses concentrates on leadership and management principles and career opportunities, and aerospace topics include advanced aerodynamics and aeronautics. Course content may also cover elements of national power and relationships between the nations of the world. (Available SY 2011-.)

### **09154A001 Air Force Junior ROTC IV**

### **CTE Course**

Air Force Junior Reserve Officer Training Corps (ROTC) IV courses include both aerospace studies and leadership/life skills education. The life skills education portion of these courses concentrates on leadership and management principles and career opportunities, and aerospace topics include advanced aerodynamics and aeronautics. Course content may also cover elements of national power and relationships between the nations of the world. (Available SY 2022-.)

### **09998A001 Air Force Workplace Experience**

### **CTE Course**

Air Force Workplace Experience courses provide students with work experience within the field of military science and are supported by classroom attendance and discussion. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

### **09051A000 Army Junior ROTC I**

Army Junior Reserve Officer Training Corps (ROTC) I courses include instruction in the organization and functions of the U.S. Army, leadership skills, and life skills education. The content of these courses cover (but is not limited to) the history and evolution of the Army, including its structure, operations, customs and courtesies; maps and navigation; first aid, personal hygiene, and field sanitation; and substance abuse prevention. These courses also introduce students to principles of leadership and citizenship. (Available SY 2011-.)

### **09051A001 Army Junior ROTC I**

#### **CTE Course**

Army Junior Reserve Officer Training Corps (ROTC) I courses include instruction in the organization and functions of the U.S. Army, leadership skills, and life skills education. The content of these courses cover (but is not limited to) the history and evolution of the Army, including its structure, operations, customs and courtesies; maps and navigation; first aid, personal hygiene, and field sanitation; and substance abuse prevention. These courses also introduce students to principles of leadership and citizenship. (Available SY 2022-.)

### **09052A000 Army Junior ROTC II**

Army Junior Reserve Officer Training Corps (ROTC) II courses build upon the content of Army Junior ROTC I and include (but are not limited to) ongoing instruction in leadership principles and citizenship; drill and ceremonies; organizational structure; command and staff relationships, functions, and responsibilities; significant military campaigns and leaders; map-reading and orienteering; weapon safety and marksmanship; and survival training. (Available SY 2011-.)

### **09052A001 Army Junior ROTC II**

#### **CTE Course**

Army Junior Reserve Officer Training Corps (ROTC) II courses build upon the content of Army Junior ROTC I and include (but are not limited to) ongoing instruction in leadership principles and citizenship; drill and ceremonies; organizational structure; command and staff relationships, functions, and responsibilities; significant military campaigns and leaders; map-reading and orienteering; weapon safety and marksmanship; and survival training. (Available SY 2022-.)

### **09053A000 Army Junior ROTC III**

Army Junior Reserve Officer Training Corps (ROTC) III courses build upon prior Army Junior ROTC courses, giving more emphasis to leadership development. These courses serve to strengthen students' leadership skills (including planning, problem-solving, motivation, and performance appraisal) and management skills (with regard to time, personnel, and other resources) through allowing them to assume leadership duties. Students study topics introduced in earlier years—such as military history, map-reading and orienteering, marksmanship, and drill

and ceremonies—at a more advanced level and are also provided with military service opportunities. (Available SY 2011-.)

### **09053A001 Army Junior ROTC III**

### **CTE Course**

Army Junior Reserve Officer Training Corps (ROTC) III courses build upon prior Army Junior ROTC courses, giving more emphasis to leadership development. These courses serve to strengthen students' leadership skills (including planning, problem-solving, motivation, and performance appraisal) and management skills (with regard to time, personnel, and other resources) through allowing them to assume leadership duties. Students study topics introduced in earlier years—such as military history, map-reading and orienteering, marksmanship, and drill and ceremonies—at a more advanced level and are also provided with military service opportunities. (Available SY 2022-.)

### **09054A000 Army Junior ROTC IV**

Army Junior Reserve Officer Training Corps (ROTC) IV courses focus on practical leadership by assigning students to command and staff positions in which they present instruction to lower Army Junior ROTC classes and continue to study and review staff functions and actions, staff-commander relationships, and leadership principles. Topics introduced in earlier years may be studied at more advanced levels. (Available SY 2011-.)

### **09054A001 Army Junior ROTC IV**

### **CTE Course**

Army Junior Reserve Officer Training Corps (ROTC) IV courses focus on practical leadership by assigning students to command and staff positions in which they present instruction to lower Army Junior ROTC classes and continue to study and review staff functions and actions, staff-commander relationships, and leadership principles. Topics introduced in earlier years may be studied at more advanced levels. (Available SY 2022-.)

### **09998A002 Army Workplace Experience**

### **CTE Course**

Army Workplace Experience courses provide students with work experience within the field of military science and are supported by classroom attendance and discussion. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology

programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

### **09001A000 Introduction to Jr. ROTC**

Introduction to Junior Reserve Officer Training Corps (ROTC) courses introduce students to the purposes and objectives of the Reserve Officer Training Corps program, which seeks to educate high school students in citizenship, promote community service, and instill responsibility. As part of that introduction, course topics typically include a brief history of the military branches in the United States and the basics of military drill, ceremony, and rank structure. (Available SY 2011-.)

### **09001A001 Introduction to Jr. ROTC**

### **CTE Course**

Introduction to Junior Reserve Officer Training Corps (ROTC) courses introduce students to the purposes and objectives of the Reserve Officer Training Corps program, which seeks to educate high school students in citizenship, promote community service, and instill responsibility. As part of that introduction, course topics typically include a brief history of the military branches in the United States and the basics of military drill, ceremony, and rank structure. (Available SY 2022-.)

### **09201A000 Marine Corps Junior ROTC I**

Marine Corps Junior Reserve Officer Training Corps (ROTC) I courses introduce the Marine Corps Junior ROTC program, with an emphasis on personal growth and responsibility along with general military subjects. These courses include (but are not limited to) physical training; health education, including hygiene, first aid, nutrition, and substance abuse prevention; and communication skills. In these courses, students are introduced to and study Marine Corps values and code of conduct; drill and ceremony; military uniforms, customs, and courtesies; military history; and the Marine Corps structure and chain of command. (Available SY 2011-.)

### **09201A001 Marine Corps Junior ROTC I**

### **CTE Course**

Marine Corps Junior Reserve Officer Training Corps (ROTC) I courses introduce the Marine Corps Junior ROTC program, with an emphasis on personal growth and responsibility along with general military subjects. These courses include (but are not limited to) physical training; health education, including hygiene, first aid, nutrition, and substance abuse prevention; and communication skills. In these courses, students are introduced to and study Marine Corps values and code of conduct; drill and ceremony; military uniforms, customs, and courtesies; military history; and the Marine Corps structure and chain of command. (Available SY 2022-.)

### **09202A000 Marine Corps Junior ROTC II**

Marine Corps Junior Reserve Officer Training Corps (ROTC) II courses build upon Marine Corps Junior ROTC I. These courses emphasize personal growth and responsibility, leadership, and citizenship along with military subjects that typically include the mission, organization, and history of the Marine Corps; geography, maps, and navigation; drill and ceremony; and military justice. Students learn about such leadership skills as authority, responsibility, and accountability and citizenship topics including U.S. government structures, documents, and symbols. (Available SY 2011-.)

### **09202A001 Marine Corps Junior ROTC II**

**CTE Course**

Marine Corps Junior Reserve Officer Training Corps (ROTC) II courses build upon Marine Corps Junior ROTC I. These courses emphasize personal growth and responsibility, leadership, and citizenship along with military subjects that typically include the mission, organization, and history of the Marine Corps; geography, maps, and navigation; drill and ceremony; and military justice. Students learn about such leadership skills as authority, responsibility, and accountability and citizenship topics including U.S. government structures, documents, and symbols. (Available SY 2022-.)

### **09203A000 Marine Corps Junior ROTC III**

Marine Corps Junior Reserve Officer Training Corps (ROTC) III courses build upon prior Marine Corps Junior ROTC courses. These courses include (but are not limited to) leadership practice, including training, inspection and evaluation; public service career opportunities; and citizenship responsibilities. These courses cover such personal skills as financial planning, saving and investing, and evaluating credit and insurance terms. Students learn about the structures of other armed service branches, advance their mapping and navigation skills, and may study firearm use, safety and marksmanship. Students continue to learn teamwork, Marine Corps history, and military principles. (Available SY 2011-.)

### **09203A001 Marine Corps Junior ROTC III**

**CTE Course**

Marine Corps Junior Reserve Officer Training Corps (ROTC) III courses build upon prior Marine Corps Junior ROTC courses. These courses include (but are not limited to) leadership practice, including training, inspection and evaluation; public service career opportunities; and citizenship responsibilities. These courses cover such personal skills as financial planning, saving and investing, and evaluating credit and insurance terms. Students learn about the structures of other armed service branches, advance their mapping and navigation skills, and may study firearm use, safety and marksmanship. Students continue to learn teamwork, Marine Corps history, and military principles. (Available SY 2022-.)



### **09204A000 Marine Corps Junior ROTC IV**

Marine Corps Junior Reserve Officer Training Corps (ROTC) IV courses focus on the practical application of skills learned throughout the program: leadership, communication (written and verbal), personal growth, and public service. These courses emphasize drill and ceremony, physical fitness, marksmanship, land navigation, and military history at more advanced levels than in previous courses. (Available SY 2011-.)

### **09204A001 Marine Corps Junior ROTC IV**

**CTE Course**

Marine Corps Junior Reserve Officer Training Corps (ROTC) IV courses focus on the practical application of skills learned throughout the program: leadership, communication (written and verbal), personal growth, and public service. These courses emphasize drill and ceremony, physical fitness, marksmanship, land navigation, and military history at more advanced levels than in previous courses. (Available SY 2022-.)

### **09998A004 Marine Corp Workplace Experience**

**CTE Course**

Marine Corp Workplace Experience courses provide students with work experience within the field of military science and are supported by classroom attendance and discussion. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

### **09002A000 Military Jr. ROTC—unspecified branch**

Although individual course sequences may vary, the primary objectives of Military Junior Reserve Officer Training Corps (ROTC) courses are to provide students with instruction in the history, organization, role, objectives, and achievements of a particular branch of the U.S. Armed Forces; help them develop personal fitness, strong character, and leadership qualities; and expose them to the career opportunities provided by the U.S. Armed Services. These courses typically cover such topics as military customs, courtesies, rank, drill, and ceremonies and also emphasize citizenship and scholarship. The course content typically includes subjects related to the particular branch being studied (such as map-reading, nautical skills, aerospace technology, or communication technologies), as well as more general subjects (international law, national defense, celestial navigation, and geopolitical strategy). (Available SY 2011-.)

### **09004A000 Military Leadership**

Military Leadership courses focus solely on increasing students' leadership skills, particularly as they relate to military operations, customs, and hierarchies. These courses are typically a regular part of the ROTC programs described below (typically the final course within a program series); this Military Leadership course code and title should be used when those descriptions do not apply. The principles and skills taught in these courses include supervision, motivation, evaluation, and setting an example, and their application typically include military drill and inspections, athletic events, and other school activities. (Available SY 2011-.)

### **09004A001 Military Leadership**

**CTE Course**

Military Leadership courses focus solely on increasing students' leadership skills, particularly as they relate to military operations, customs, and hierarchies. These courses are typically a regular part of the ROTC programs described below (typically the final course within a program series); this Military Leadership course code and title should be used when those descriptions do not apply. The principles and skills taught in these courses include supervision, motivation, evaluation, and setting an example, and their application typically include military drill and inspections, athletic events, and other school activities. (Available SY 2022-.)

### **09995A000 Military Science—Aide**

Military Science—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

### **09997A000 Military Science—Independent Study**

Courses in Military Science—Independent Study, often conducted with instructors/armed services personnel as mentors, enable students to explore topics of interest related to military science. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **09999A000 Military Science—Other**

Other Military Sciences courses. (Available SY 2011-.)

## **09998A000 Military Science—Workplace Experience**

Military Science—Workplace Experience courses provide students with work experience within the field of military science and are supported by classroom attendance and discussion. In these courses, goals are set for the employment period, and classroom experience may involve further study in the field, improvement of employability skills, or discussion regarding the experiences and problems that students encounter on the job. (Available SY 2011-.)

## **09101A000 Naval Junior ROTC I**

Naval Junior Reserve Officer Training Corps (ROTC) I courses emphasize citizenship and leadership development, as well as maritime heritage, sea power, and Naval operations and customs. These courses include (but are not limited to) an introduction to the Naval Junior ROTC program, U.S. Navy mission and organization, maritime geography, naval history, basic seamanship, oceanography, and health education. (Available SY 2011-.)

## **09101A001 Naval Junior ROTC I**

**CTE Course**

Naval Junior Reserve Officer Training Corps (ROTC) I courses emphasize citizenship and leadership development, as well as maritime heritage, sea power, and Naval operations and customs. These courses include (but are not limited to) an introduction to the Naval Junior ROTC program, U.S. Navy mission and organization, maritime geography, naval history, basic seamanship, oceanography, and health education. (Available SY 2022-.)

## **09102A000 Naval Junior ROTC II**

Naval Junior Reserve Officer Training Corps (ROTC) II courses build upon the content of Naval Junior ROTC I. These courses include (but are not limited to) leadership principles and discipline, citizenship, naval opportunities and career planning, naval ships and weaponry, seamanship, meteorology and weather, and survival training. Students continue to learn teamwork, naval history, and military principles. (Available SY 2011-.)

## **09102A001 Naval Junior ROTC II**

**CTE Course**

Naval Junior Reserve Officer Training Corps (ROTC) II courses build upon the content of Naval Junior ROTC I. These courses include (but are not limited to) leadership principles and discipline, citizenship, naval opportunities and career planning, naval ships and weaponry, seamanship, meteorology and weather, and survival training. Students continue to learn teamwork, naval history, and military principles. (Available SY 2022-.)

### **09103A000 Naval Junior ROTC III**

Naval Junior Reserve Officer Training Corps (ROTC) III courses build upon prior Naval Junior ROTC courses. These courses include (but are not limited to) leadership principles and discipline, military justice, international law and the sea, naval intelligence/strategies and national security, and sciences involved in naval operations, such as electricity, electronics, communications technologies, and so on. Students continue to learn teamwork, naval history, and military principles. (Available SY 2011-.)

### **09103A001 Naval Junior ROTC III**

**CTE Course**

Naval Junior Reserve Officer Training Corps (ROTC) III courses build upon prior Naval Junior ROTC courses. These courses include (but are not limited to) leadership principles and discipline, military justice, international law and the sea, naval intelligence/strategies and national security, and sciences involved in naval operations, such as electricity, electronics, communications technologies, and so on. Students continue to learn teamwork, naval history, and military principles. (Available SY 2022-.)

### **09104A000 Naval Junior ROTC IV**

Naval Junior Reserve Officer Training Corps (ROTC) IV courses are focused on practical leadership, placing students in positions where they can learn, practice, and understand skills involved in leading others, such as supervision, motivation, evaluation, setting examples, and problem-solving. Application of these skills usually includes military drill and inspections, athletic events, and other school activities. Topics introduced in earlier years may be studied at more advanced levels. (Available SY 2011-.)

### **09104A001 Naval Junior ROTC IV**

**CTE Course**

Naval Junior Reserve Officer Training Corps (ROTC) IV courses are focused on practical leadership, placing students in positions where they can learn, practice, and understand skills involved in leading others, such as supervision, motivation, evaluation, setting examples, and problem-solving. Application of these skills usually includes military drill and inspections, athletic events, and other school activities. Topics introduced in earlier years may be studied at more advanced levels. (Available SY 2022-.)

### **09998A003 Naval Workplace Experience**

**CTE Course**

Naval Workplace Experience courses provide students with work experience within the field of military science and are supported by classroom attendance and discussion. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and

employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

### **09003A000 ROTC Drill**

Reserve Officer Training Corps (ROTC) Drill courses provide students with an additional opportunity to improve their skills in military precision. These courses emphasize marching style and formations, firearm manipulation, body coordination and mechanics, and performing as a member of an orchestrated team. Class members typically participate in ceremonies and competitions. (Available SY 2011-.)

### **09003A001 ROTC Drill**

### **CTE Course**

Reserve Officer Training Corps (ROTC) Drill courses provide students with an additional opportunity to improve their skills in military precision. These courses emphasize marching style and formations, firearm manipulation, body coordination and mechanics, and performing as a member of an orchestrated team. Class members typically participate in ceremonies and competitions. (Available SY 2022-.)

## 10 Information Technology

### 10157A000 AP Computer Science A

AP Course

Following the College Board's suggested curriculum designed to mirror college-level computer science courses, AP Computer Science A courses emphasize object-oriented programming methodology with a focus on problem solving and algorithm development. These courses cover such topics as object-oriented program design; program implementation; program analysis; standard data structures; standard algorithms; and the ethical and social implications of computing systems. (Available SY 2011-.)

### 10158A000 AP Computer Science AB

AP Course

Following the College Board's suggested curriculum designed to mirror college-level computer science courses, AP Computer Science AB courses (in addition to covering topics included in AP Computer Science A) provide a more formal and extensive study of program design, algorithms, data structures, and execution costs. (Available SY 2011-2017.)

### 10019A000 AP Computer Science Principles

AP Course

Following the College Board's suggested curriculum designed to parallel college-level computer science principles courses, AP Computer Science Principles courses introduce students to the fundamental ideas of computer science and how to apply computational thinking across multiple disciplines. These courses teach students to apply creative designs and innovative solutions when developing computational artifacts. These courses cover such topics as creative development, data, algorithms and programming, computer systems and networks, and the impact of computing. (Available SY 2024-.)

### 10161A000 AP Computer Science Principles

AP Course

Following the College Board's suggested curriculum designed to parallel college-level computer science principles courses, AP Computer Science Principles courses introduce students to the fundamental ideas of computer science and how to apply computational thinking across multiple disciplines. These courses teach students to apply creative designs and innovative solutions when developing computational artifacts. These courses cover such topics as creative development, data, algorithms and programming, computer systems and networks, and the impact of computing. (Available SY 2017-2023.)

**10019A001 AP Computer Science Principles (CTE)****CTE Course**

AP Computer Science Principles (CTE) courses are an approved part of career and technical education program that follow the College Board's suggested curriculum designed to parallel college-level computer science principles courses with an additional focus on preparing for a career in computer science, AP Computer Science Principles courses introduce students to the fundamental ideas of computer science and how to apply computational thinking across multiple disciplines. These courses teach students to apply creative designs and innovative solutions when developing computational artifacts. These courses cover such topics as abstraction, communication of information using data, algorithms, programming, the Internet, and global impact. The appropriate use of technology and industry-standard equipment is an integral part of this course. (Available SY 2023-.)

**10103A000 Area Network Design and Protocols**

Area Network Design and Protocols courses address the role of computers in a network system, the Open Systems Interconnection (OSI) model, structured wiring systems, and simple LAN (local area network) and WAN (wide area network) designs. (Available SY 2011-.)

**10160A001 Artificial Intelligence****CTE Course**

This Artificial Intelligence course is an approved part of career and technical education program that introduce students to the concepts of Artificial Intelligence. This course will review the evolution of AI, explore future applications, and may also describes how artificial Intelligence is used in fields such as games, speech recognition, and computer vision. In this course, you will learn about different types of intelligent agents and their environments. The course Artificial Intelligence also covers the concepts of machine learning, natural language processing, expert systems, and robots. The ethics and safety issues related to artificial intelligence may also be covered in this course. The appropriate use of technology and industry-standard equipment is an integral part of this course. (Available SY 2019-.)

**10202A002 Beginning Digital Graphics****CTE Course**

Beginning Digital Graphics course provides students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching. (Available SY 2012-.)

**10005A000 Business Computer Applications**

In Business Computer Applications courses, students expand their knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in business. Generally, these courses explore a wide range of applications including (but not limited

to) word processing, spreadsheet, presentation, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and telecommunications. Advanced topics may include integrated software applications, including printed, electronic, and Web publications; computer maintenance activities; and Web site development. (Available SY 2011-.)

### **10151A000 Business Programming**

Business Programming courses provide students with experience in using previously written software packages. Topics may include loops, arrays, and functions as well as instruction on how to design and write programs of their own. These courses contain a business industry focus and provide an overview of the principles of object-oriented design and programming (e.g., Visual Basic [VB], C++, Java, RPL) related to the business industry. (Available SY 2011-.)

### **10154A000 C++ Programming**

C++ Programming courses provide an opportunity for students to gain expertise in computer programs using the C++ language. As with more general computer programming courses, the emphasis is on how to write logically structured programs, include appropriate documentation, and use problem-solving techniques. More advanced topics may include multi-dimensional arrays, functions, sorting, loops, and records. (Available SY 2011-.)

### **10154A001 C++ Programming**

**CTE Course**

C++ Programming courses provide an opportunity for students to gain expertise in computer programs using the C++ language. As with more general computer programming courses, the emphasis is on how to write logically structured programs, include appropriate documentation, and use problem-solving techniques. More advanced topics may include multi-dimensional arrays, functions, sorting, loops, and records. (Available SY 2020-.)

### **10255A000 CISCO—The Panduit Network Infrastructure Essentials (PNIE)**

CISCO—PNIE courses provide students with the knowledge to create innovative network infrastructure solutions. These courses offer students basic cable installer information and help them acquire the skills to build and use the physical layer of network infrastructure and develop a deeper understanding of networking devices. (Available SY 2011-.)

### **60997A000 Computer and Information Sciences – Independent Study**

Computer and Information Sciences-Independent Study courses, often conducted with instructors as mentors, enable students to explore computer-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular



specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **60999A000 Computer and Information Sciences – Other**

(Available SY 2012-2023.)

### **10003A000 Computer and Information Technology**

Computer and Information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer technology and use. (Available SY 2011-.)

### **10003A001 Computer and Information Technology**

**CTE Course**

Computer and Information Technology courses are an approved part of career and technical education program that teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer technology and use. The appropriate use of technology and industry-standard equipment is an integral part of this course. (Available SY 2019-.)

### **60003A000 Computer and Information Technology (prior-to-secondary)**

Computer and Information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer technology and use. (Available SY 2012-2023.)

### **10004A000 Computer Applications**

In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, presentation, graphics, and database programs. Courses may also cover the use of electronic mail and online collaborative software. (Available SY 2011-.)

### **60004A000 Computer Applications (prior-to-secondary)**

In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. (Available SY 2012-2023.)

### **10004A001 Computer Concepts and Software Applications**

**CTE Course**

Computer Concepts and Software Applications is an orientation-level course designed to develop awareness and understanding of application software and equipment used by employees to perform tasks in business, marketing and management. Students will apply problem-solving skills to hands-on, real-life situations using a variety of software applications, such as word processing, spreadsheets, database management, presentation software, and desktop publishing. Students will explore topics related to computer concepts, operating systems, telecommunications and emerging technologies. The development of employability skills, as well as transition skills, will be included in the course as well as an understanding of the ethical considerations that arise in using information processing equipment and gaining access to available databases. (Available SY 2011-.)

### **10301A000 Computer Forensics**

Computer Forensics courses address the preservation, identification, extraction, documentation, and interpretation of computer data. Topics covered may include legal concepts, evidence handling and preservation, file system structures, chain of custody, and identification and recovery of computer data. These courses may also cover the need to perform an investigation and how to collect evidence and analyze data. (Available SY 2021-.)

### **10301A001 Computer Forensics**

**CTE Course**

Computer Forensics courses address the preservation, identification, extraction, documentation, and interpretation of computer data. Topics covered may include legal concepts, evidence handling and preservation, file system structures, chain of custody, and identification and recovery of computer data. These courses may also cover the need to perform an investigation and how to collect evidence and analyze data. (Available SY 2021-.)

### **10204A001 Computer Gaming and Design**

**CTE Course**

Computer Gaming and Design courses prepare students to design computer games by studying design, animation, artistic concepts, digital imaging, coding, scripting, multimedia production, and game play strategies. Advanced course topics include, but are not limited to, level design,

environment and 3D modeling, scene and set design, motion capture, and texture mapping. (Available SY 2019-2021.)

### **10205A000 Computer Gaming and Design**

Computer Gaming and Design courses prepare students to design computer games by studying design, animation, artistic concepts, digital imaging, coding, scripting, multimedia production, and game play strategies. Advanced course topics include, but are not limited to, level design, environment and 3D modeling, scene and set design, motion capture, and texture mapping. (Available SY 2021-.)

### **10205A001 Computer Gaming and Design**

**CTE Course**

Computer Gaming and Design courses prepare students to design computer games by studying design, animation, artistic concepts, digital imaging, coding, scripting, multimedia production, and game play strategies. Advanced course topics include, but are not limited to, level design, environment and 3D modeling, scene and set design, motion capture, and texture mapping. (Available SY 2021-.)

### **10202A000 Computer Graphics**

Computer Graphics courses provide students with the opportunity to explore the ways in which computers can produce visual imagery that communicates information and ideas effectively to multiple audiences using a variety of media and formats. Course topics may include principles and elements of design, image creation, image manipulation, and image types. (Available SY 2011-.)

### **60202A000 Computer Graphics (prior-to-secondary)**

Computer Graphics courses provide the opportunity for students to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching. (Available SY 2012-2023.)

### **10010A000 Computer Literacy**

Computer Literacy courses provide to students the knowledge and ability to use computers and technology efficiently. Typically, course content includes exposure to word-processing, spreadsheet, and presentation applications, but also may include the various uses of computers

in modern society. Specific course content aligns with state standards to promote students' technological literacy. (Available SY 2021-.)

### **60010A000 Computer Literacy (prior-to-secondary)**

Computer Literacy courses provide to students the knowledge and ability to use computers and technology efficiently. Typically, course content includes exposure to word-processing, spreadsheet, and presentation applications, but also may include the various uses of computers in modern society. Specific course content aligns with state standards to promote students' technological literacy. (Available SY 2012-2023.)

### **60049A000 Computer Literacy – Other**

(Available SY 2012-2023.)

### **10047A000 Computer Literacy—Independent Study**

Computer Literacy—Independent Study courses, often conducted with instructors as mentors, enable students to explore computer-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **10049A000 Computer Literacy—Other**

Other Computer Literacy courses. (Available SY 2011-.)

### **10048A000 Computer Literacy—Workplace Experience**

Computer Literacy—Workplace Experience courses provide work experience in fields related to computer literacy. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **10252A000 Computer Maintenance**

Computer Maintenance courses prepare students to apply basic electronic theory and principles in diagnosing and repairing personal computers and input/output devices. Topics may include

operating, installing, maintaining, and repairing computers, network systems, digital control instruments, programmable controllers, and processors. (Available SY 2011-.)

### **10252A001 Computer Maintenance I**

### **CTE Course**

This course is designed to provide students with the skills needed to install, setup, configure, test, troubleshoot, and maintain, personal computers and peripherals. Instruction includes assembling, maintaining, and upgrading personal computers. Students learn how to install, upgrade, and troubleshoot various hardware components such as motherboards, hard drives, CD- ROMS, memory, power supplies, video cards, sound cards, and network cards. Students install and configure various desktop operating systems such as Windows, Apple, and Linux. The course includes adding and removing software programs, installing and updating system drivers, creating startup and recovery disk, and updating the BIOS and CMOS. Students learn to conduct preventive maintenance and perform system backups, data transfer, and recovery routines as well as use diagnostic utilities to troubleshoot hardware and software problems. Students also learn how to disassemble, clean, troubleshoot, and reassemble peripherals such as printers. (Available SY 2011-.)

### **10252A002 Computer Maintenance II**

### **CTE Course**

This course builds on the skills introduced in Computer Maintenance I. Students learn how to connect and install multiple computers and peripherals together to create a computer network. Students build, configure, and maintain network servers along with installing and configuring various network operating systems such as Novell, Windows, and Linux. Students learn to use troubleshooting services, system monitoring utilities, and data backup and recovery systems. Other topics include learning how to connect various network components such as servers, computers, and printers together using data cabling, hubs, and switches. Students learn to run, terminate, and troubleshoot data cabling. In addition, students learn how to install and upgrade software across the network, as well as map drives and share resources such as printers, software, and files. The course includes setting up and configuring various network services such as TCP/IP, DHCP, DNS, VPN, terminal services, e-mail, and web services. Students learn how to secure and protect network servers and data as well as setting up and configuring a firewall, intrusion detection system, and encryption software for identifying and preventing potential network attacks. (Available SY 2011-.)

### **10102A001 Computer Networking I**

### **CTE Course**

Computer Networking I is a skill-level course designed to provide students with the skills needed to setup, configure, test, troubleshoot, maintain, and administer a data network using various network operating systems such as Novell, Windows, and Linux. Instruction will include network planning decisions, such as choosing an appropriate network configuration, determining the performance level requirements considering the differences among operating systems, and recommending network interface cards and cabling. Students will also learn how to setup and manage file systems and resources, and network topologies, protocols, and system utilities to efficiently run software applications on a network. Students will learn to use basic operating

system commands, install and configure networks, set up user accounts and rights, and establish user security and permissions. (Available SY 2011-.)

### **10102A002 Computer Networking II**

### **CTE Course**

Computer Networking II is a skill-level course for students who have completed Computer Networking I. Students will continue to learn skills to set up, configure, test, troubleshoot, maintain, and administer a data network using various network operating systems such as Novell, Windows, and Linux. Students will learn to use troubleshooting services, system monitoring utilities, and data backup and recovery systems. Instruction will include setting up and configuring various network services such as TCP/IP, DHCP, DNS, VPN, terminal services, e-mail, content filtering, and web services. Students will learn techniques to secure and protect network servers and data. Students will be introduced to some basic concepts regarding web server configuration. Students will also learn to use standard software tools to determine system vulnerabilities and correct these vulnerabilities by reconfiguring the operating system. Students will diagnose network problems using public domain network sniffers such as Ethereal. Instruction will include setting up and configuring a firewall, intrusion detection system, and encryption software for identifying and preventing potential network attacks. (Available SY 2011-.)

### **10152A001 Computer Operations and Programming I**

### **CTE Course**

Computer Operations and Programming I is the first of two skill-level courses designed to develop computer programming and program design skills through the use of various programming languages such as Visual Basic, C#, Java, and other object-oriented languages. Students will be exposed to the fundamentals of system analysis and design (e.g. flowcharting, diagramming, system design and planning), and the systems development life cycle. Instruction will include basic programming tools that are common to many programming languages. These may include items such as input/output statements, constants, assignment statements, string and numeric variable types, conditional processing, and branching and looping control structures. Students will learn programming techniques such as counting, averaging, rounding, and generation of random numbers to develop a good programming technique. Students will apply what they learn to create programs and applications that solve real world business related problems. Students will create programs to store, locate and retrieve data. (Available SY 2011-.)

### **10152A002 Computer Operations and Programming II**

### **CTE Course**

Computer Operations and Programming II is a skill-level course for students who have completed Computer Operations and Programming I. Students will use procedural and object-oriented programming languages such as Visual Basic, C# and Java. Students will learn programming concepts such as inheritance and polymorphism, advanced data handling (pointers, arrays, strings, and files), and common algorithms (recursion, searching and sorting). Students will be able to write, compile, run, test, debug and modify programs and applications that solve real world problems. Problem examples may include tracking inventory, scheduling rooms and facilities, accessing information and performing calculations. (Available SY 2011-.)

### **10152A000 Computer Programming**

Computer Programming courses provide students with the knowledge and skills necessary to construct computer programs in one or more languages. Computer coding and program structure are often introduced with the BASIC language, but other computer languages, such as Visual Basic (VB), Java, Pascal, C++, and C#, may be used instead. Students learn to structure, create, document, and debug computer programs. Advanced courses may include instruction in object-oriented programming to help students develop applications for Windows, database, multimedia, games, mobile and/or Web environments. An emphasis is placed on design, style, clarity, and efficiency. In these courses, students apply the skills they learn to relevant authentic applications. (Available SY 2011-.)

### **10198A001 Computer Programming Workplace Experience**

**CTE Course**

Computer Programming Workplace Experience courses provide students with work experience in fields related to computer programming. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2021-.)

### **10197A000 Computer Programming—Independent Study**

Computer Programming—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to computer programming. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **10199A000 Computer Programming—Other**

Other Computer Programming courses. (Available SY 2011-.)

### **10156A000 Computer Programming—Other Language**

Computer Programming—Other Language courses provide students with the opportunity to gain expertise in computer programs using languages other than those specified (such as Pascal, FORTRAN, Python, or emerging languages). As with other computer programming courses, the emphasis is on how to structure and document computer programs, using problem-solving techniques. As students advance, they learn how to best utilize the features and strengths of the language being used. (Available SY 2011-.)

### **10198A000 Computer Programming—Workplace Experience**

Computer Programming—Workplace Experience courses provide students with work experience in fields related to computer programming. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **10022A000 Computer Science (prior-to-secondary)**

Computer Science (prior-to-secondary) courses cover basic principles of computer science. In these courses, students learn how to develop and follow basic algorithms, collect and organize data, troubleshoot hardware and software issues, and think critically about online safety and responsibility. Topics may also include modeling network and transmission protocols; transforming data using computational tools; iteratively developing, testing, and documenting programs; computational thinking; and addressing bias and accessibility in the design and development of technologies. Courses may include learning about emerging technologies. (Available SY 2023-.)

### **10011A000 Computer Science Principles**

Computer Science Principles courses provide students the opportunity use programming, computational thinking, and data analytics to create digital artifacts and documents representing design and analysis in areas including the Internet, algorithms, and the impact that these have on science, business, and society. Computer Science Principles courses teach students to use computational tools and techniques including abstraction, modeling, and simulation to collaborate in solving problems that connect computation to their lives. (Available SY 2021-.)

### **10011A001 Computer Science Principles**

**CTE Course**

Computer Science Principles courses are an approved part of career and technical education program that provide students the opportunity use programming, computational thinking, and data analytics to create digital artifacts and documents representing design and analysis in areas including the Internet, algorithms, and the impact that these have on science, business, and society. Computer Science Principles courses teach students to use computational tools and techniques including abstraction, modeling, and simulation to collaborate in solving problems that connect computation to their lives. Upon successful completion of this course, students will have acquired entry-level skills for employment and/or be prepared for postsecondary education (Available SY 2021-.)



## **10998A001 Computer Science Workplace Experience**

## **CTE Course**

Computer Science Workplace Experience courses are an approved part of career and technical education program that provide students with work experience in fields related to computer and/or information sciences. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

## **10251A000 Computer Technology**

Computer Technology courses introduce students to the features, functions, and design of computer hardware and provide instruction in the maintenance and repair of computer components and peripheral devices. (Available SY 2011-.)

## **10002A000 Computing Systems**

Computing Systems courses offer a broad exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer-assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications. (Available SY 2011-.)

## **60002A000 Computing Systems (prior-to-secondary)**

Computing Systems courses offer a broad exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer-assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications. (Available SY 2012-2023.)

## **10302A000 Cyber Crime**

Cyber Crime courses cover legal and ethical behavior associated with network security. Topics may include discussions about current common practices used to secure networks, how to test these networks, and presents methods that can be used to create a secure network environment.

These courses may also cover the impact federal and state legislation has had on information technology practices. (Available SY 2021-.)

### **10020A000 Cybersecurity**

Cybersecurity courses introduce students to the concepts of cybersecurity. These courses provide students with the knowledge and skills to assess cyber risks to computers, networks, and software programs. Students will learn how to create solutions to mitigate cybersecurity risks. These courses may also cover the legal environment and ethical computing behavior related to cybersecurity. (Available SY 2021-.)

### **10020A001 Cybersecurity**

**CTE Course**

Cybersecurity courses introduce students to the concepts of cybersecurity. These courses provide students with the knowledge and skills to assess cyber risks to computers, networks, and software programs. Students will learn how to create solutions to mitigate cybersecurity risks. These courses may also cover the legal environment and ethical computing behavior related to cybersecurity. (Available SY 2021-.)

### **10111A001 Cybersecurity**

**CTE Course**

Cybersecurity courses introduce students to the concepts of cybersecurity. These courses provide students with the knowledge and skills to assess cyber risks to computers, networks, and software programs. Students will learn how to create solutions to mitigate cybersecurity risks. These courses may also cover the legal environment and ethical computing behavior related to cybersecurity. (Available SY 2019-2020.)

### **10054A000 Data Systems/Processing**

Data Systems/Processing courses introduce students to the uses and operation of computer hardware and software and to the programming languages used in business applications. Students typically use BASIC, COBOL, and/or RPL languages as they write flowcharts or computer programs and may also learn data-processing skills. (Available SY 2011-.)

### **10053A000 Database Applications**

Database Application courses provide students with an understanding of database development, modeling, design, and normalization. These courses typically cover such topics as SELECT statements, data definition, manipulation, control languages, records, and tables. In these

courses, students may use Oracle WebDB, SQL, PL/SQL, SPSS, and SAS and may prepare for certification. (Available SY 2011-.)

### **10053A001 Database Applications**

**CTE Course**

Database Application courses provide students with an understanding of database development, modeling, design, and normalization. These courses typically cover such topics as SELECT statements, data definition, manipulation, control languages, records, and tables. In these courses, students may use Oracle WebDB, SQL, PL/SQL, SPSS, and SAS and may prepare for certification. (Available SY 2020-.)

### **10052A000 Database Management and Data Warehousing**

Database Management and Data Warehousing courses provide students with the skills necessary to design databases to meet user needs. Courses typically address how to enter, retrieve, and manipulate data into useful information. More advanced topics may cover implementing interactive applications for common transactions and the utility of mining data. (Available SY 2011-.)

### **10052A001 Database Management and Data Warehousing**

**CTE Course**

Database Management and Data Warehousing courses provide students with the skills necessary to design databases to meet user needs. Courses typically address how to enter, retrieve, and manipulate data into useful information. More advanced topics may cover implementing interactive applications for common transactions and the utility of mining data. (Available SY 2020-.)

### **10202A001 Digital Graphics**

**CTE Course**

Digital Graphics course provides students with the opportunity to use the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Course topics include modeling, simulation, animation, and image retouching. (Available SY 2011-.)

### **10008A001 Digital Literacy**

**CTE Course**

This foundation-level course prepares students to use technology in a proficient and responsible manner in school, in the workforce, and in everyday life. The course contains skills for working in an Internet or networked environment and the knowledge of what it means to be a good digital citizen and the ability to use technology responsibly. Topics include the benefits and risks of sharing information online, and the possible consequences of inappropriate sharing (oversharing).

Students explore the legal and ethical dimensions of respecting creative work. Technology use is a vital employability skill for entry-level and upper-level management positions. Students may be provided with the opportunity to seek industry-recognized digital literacy certifications. (Available SY 2017-.)

### **10109A000 Essentials of Network Operating Systems**

Essentials of Network Operating Systems courses provide students with an overview of multi-user, multi-tasking network operating systems. In these courses, students study the characteristics of operating systems, such as Linux, and various Windows network operating systems and explore a range of topics including installation procedures, security issues, back-up procedures, and remote access. Advanced topics may include network administration, including account management, training, evaluating new technology, developing system policies, troubleshooting, e-mail and business communications and Web site management. (Available SY 2011-.)

### **10109A001 Essentials of Network Operating Systems**

**CTE Course**

Essentials of Network Operating Systems courses provide students with an overview of multi-user, multi-tasking network operating systems. In these courses, students study the characteristics of operating systems, such as Linux, and various Windows network operating systems and explore a range of topics including installation procedures, security issues, back-up procedures, and remote access. Advanced topics may include network administration, including account management, training, evaluating new technology, developing system policies, troubleshooting, e-mail and business communications and Web site management. (Available SY 2020-.)

### **10012A000 Exploring Computer Science**

Exploring Computer Science courses present students with the conceptual underpinnings of computer science through an exploration of human computer interaction, web design, computer programming, data modeling, and robotics. While these courses include programming, the focus is on the computational practices associated with doing computer science, rather than just a narrow focus on coding, syntax, or tools. Exploring Computer Science courses teach students the computational practices of algorithm design, problem solving, and programming within a context that is relevant to their lives. (Available SY 2021-.)

### **10159A000 IB Computer Science**

**IB Course**

IB Computer Science courses prepare students to take the International Baccalaureate Computer Science exams. The courses emphasize system fundamentals, computer organization, and networks, as well as the fundamental concepts of computational thinking, the development of practical computational solutions, and programming. IB Computer Science courses also cover the

applications and effects of the computer on modern society as well as the limitations of computer technology. (Available SY 2011-.)

### **10007A000 IB Digital Society**

### **IB Course**

IB Digital Society courses prepare students to take the International Baccalaureate Digital Society exams and examine the interaction among information, technology, and society. Course content is designed to help students develop a systematic, problem solving approach to processing and analyzing information using a range of information tools. In these courses, students also discuss and evaluate how modern information technology affects individuals, relationships among people, and institutions and societies. This course is also called IB Information Technology in a Global Society. (Available SY 2011-.)

### **10051A000 Information Management**

Information Management courses provide students with the knowledge and skills to develop and implement a plan for an information system that meets the needs of business. Students develop an understanding of information system theory, skills in administering and managing information systems, and the ability to analyze and design information systems. (Available SY 2011-.)

### **10051A001 Information Management**

### **CTE Course**

Information Management courses provide students with the knowledge and skills to develop and implement a plan for an information system that meets the needs of business. Students develop an understanding of information system theory, skills in administering and managing information systems, and the ability to analyze and design information systems. (Available SY 2020-.)

### **10005A001 Information Processing I**

### **CTE Course**

Information Processing I is a skill-level course that includes the concepts and terminology related to the people, equipment, and procedures of information processing as well as skill development in the use of information processing equipment. Students will operate computer equipment to prepare memos, letters, reports, and forms. Students will create rough drafts, correct copy, process incoming and outgoing telephone calls and mail, and transmit and receive messages electronically. Students will create, input, and update databases and spreadsheets. Students will create data directories; copy, rename, move, and delete files, and perform backup procedures. In addition, students will prepare files to merge, as well as create mailing labels and envelopes from merge files. Students will learn to locate and retrieve information from hard copy and electronic sources, and prepare masters for a presentations using presentation software. Students will apply proper grammar, punctuation, spelling and proofreading practices. Accuracy will be emphasized. Workplace skills as well as communication skills (thinking, listening, composing,

revising, editing, and speaking) will be taught and integrated throughout this course. (Available SY 2011-.)

### **10005A002 Information Processing II**

### **CTE Course**

Information Processing II is a skill-level course for students who have completed Information Processing I. Students will create and update documents using word processing and desktop publishing programs and put together slideshows, speaker notes and handouts using presentation software. Students will revise data in a stored database and use queries to create customized reports. Students will edit and utilize calculation functions in spreadsheets, integrate graphics, spreadsheets, tables, text and data into documents and reports, and create graphs and charts from spreadsheets. Students will learn to conduct research on the internet and/or intranet, prepare and answer routine correspondence, organize and maintain a filing system, maintain an appointment calendar, make travel arrangements, prepare itineraries and expense reports, and prepare and process timesheets. In addition, students will maintain inventory, order equipment and supplies, and perform routine equipment maintenance. Students will apply proper grammar, punctuation, spelling and proofreading practices to documents and reports. Accuracy will be emphasized. Workplace skills as well as communication skills will be taught and integrated throughout this course. A simulated information processing center or workbased learning experience may be used to provide students with the experience of working in the environment of an information processing center. (Available SY 2011-.)

### **10253A000 Information Support and Services**

Information Support and Services courses prepare students to assist users of personal computers by diagnosing their problems in using application software packages and maintaining security requirements. (Available SY 2011-.)

### **10297A000 Information Support and Services—Independent Study**

Information Support and Services—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to computer information support and services. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **10299A000 Information Support and Services—Other**

Other Information Support and Services courses. (Available SY 2011-.)

### **10298A000 Information Support and Services—Workplace Experience**

Information Support and Services—Workplace Experience courses provide students with work experience in fields related to information support and/or service. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **10998A002 Information Technology Workplace Experience**

**CTE Course**

Information Technology Workplace Experience courses provide work experience in fields related to the Information Technology cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

### **10995A000 Information Technology—Aide**

Formerly Computer and Information Sciences—Aide, Information Technology—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

### **10997A000 Information Technology—Independent Study**

Formerly Computer and Information Sciences—Independent Study, Information Technology—Independent Study courses, often conducted with instructors as mentors, enable students to explore computer-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **10999A000 Information Technology—Other**

Other Information Technology courses. (Available SY 2011-.)

## **10998A000 Information Technology—Workplace Experience**

Formerly Computer and Information Sciences —Workplace Experience, Information Technology—Workplace Experience courses provide students with work experience in fields related to computer and/or information sciences. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

## **10203A000 Interactive Media**

Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive digital media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. (Available SY 2011-.)

## **10203A003 Interactive Media**

**CTE Course**

Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive digital media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. (Available SY 2020-.)

## **60203A000 Interactive Media (prior-to-secondary)**

Interactive Media courses provide to students the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. (Available SY 2012-2023.)

## **10009A000 Internet Skills**

Internet Skills courses introduce students to the World Wide Web and the Internet. Course content may include search techniques and algorithms, web browser utilization, website creation, and the history of the Internet. (Available SY 2021-.)



**10012A001 Introduction to Computer Science****CTE Course**

Introduction to Computer Science courses are an approved part of career and technical education program that present students with the conceptual underpinnings of computer science through an exploration of human computer interaction, web design, computer programming, data modeling, and robotics. While these courses include programming, the focus is on the computational practices associated with doing computer science, rather than just a narrow focus on coding, syntax, or tools. Introduction to Computer Science courses teach students the computational practices of algorithm design, problem solving, and programming within a context that is relevant to their lives. The appropriate use of technology and industry-standard equipment is an integral part of this course. (Available SY 2021-.)

**10001A000 Introduction to Computer Technology**

Formerly known as Introduction to Computers, Introduction to Computer Technology courses introduce students to computers, including peripheral and mobile devices; the functions and uses of computer technology; the language used in the industry; possible applications of various computer-based technologies; and occupations related to computer technology hardware and software industries. These courses typically explore legal and ethical issues associated with computer technology use, as well as how changes influence modern society. Students may also be required to perform some computer technology operations. (Available SY 2011-.)

**10001A001 Introduction to Computer Technology****CTE Course**

Introduction to Computer Technology courses are an approved part of career and technical education program that introduce students to computers, including peripheral and mobile devices; the functions and uses of computer technology; the language used in the industry; possible applications of various computer-based technologies; and occupations related to computer technology hardware and software industries. These courses typically explore legal and ethical issues associated with computer technology use, as well as how changes influence modern society. The appropriate use of technology and industry-standard equipment is an integral part of this course. (Available SY 2020-.)

**60001A000 Introduction to Computer Technology (prior-to-secondary)**

Formerly known as Introduction to Computers, Introduction to Computer Technology courses introduce students to computers, including peripheral and mobile devices; the functions and uses of computer technology; the language used in the industry; possible applications of various computer-based technologies; and occupations related to computer technology hardware and software industries. These courses typically explore legal and ethical issues associated with computer technology use, as well as how changes influence modern society. Students may also be required to perform some computer technology operations. (Available SY 2012-2023.)

### **10254A000 IT Essentials: PC Hardware and Software**

IT Essentials: PC Hardware and Software courses provide students with in-depth exposure to computer hardware and operating systems. Course topics include the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Students learn to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. In addition, these courses introduce students to networking and often prepare them for industry certification. (Available SY 2011-.)

### **10155A000 Java Programming**

Java Programming courses provide students with the opportunity to gain expertise in computer programs using the Java language. As with more general computer programming courses, the emphasis is on how to structure and document computer programs, using problem-solving techniques. Topics covered in the course include syntax, I/O classes, string manipulation, and recursion. (Available SY 2011-.)

### **10155A001 Java Programming**

**CTE Course**

Java Programming courses provide students with the opportunity to gain expertise in computer programs using the Java language. As with more general computer programming courses, the emphasis is on how to structure and document computer programs, using problem-solving techniques. Topics covered in the course include syntax, I/O classes, string manipulation, and recursion. (Available SY 2020-.)

### **10112A000 Local Area Networking**

Local Area Networking courses introduce students to local area networking (LAN) administration skills, operating systems, basic user skills, defining network objects, building a simple LAN topology applying principles of cabling, LAN switching, designing file systems, managing user access, securing file systems, working with directory service software security, implementing network printing, implementing login scripts, and managing user environments. (Available SY 2021-.)

### **10097A000 Management Information Systems—Independent Study**

Management Information Systems—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to management information systems. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **10099A000 Management Information Systems—Other**

Other Management Information Systems courses. (Available SY 2011-.)

### **10098A000 Management Information Systems—Workplace Experience**

Management Information Systems—Workplace Experience courses provide work experience in fields related to management information systems. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **60247A000 Media Technology – Independent Study**

Media Technology-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to media technology. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **10247A000 Media Technology—Independent Study**

Media Technology—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to media technology. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **10249A000 Media Technology—Other**

Other Media Technology courses. (Available SY 2011-.)

### **10248A000 Media Technology—Workplace Experience**

Media Technology—Workplace Experience courses provide students with work experience in fields related to media technology. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **10110A000 Microsoft Certified Professional (MCP)**

Microsoft Certified Professional courses provide students with the knowledge and skills necessary to be employed as a network administrator in the latest Windows server-networking environment. Topics include installing, configuring, and trouble-shooting the Windows server. These courses prepare students to set up network connections; manage security issues and shares; and develop policies. Students are typically encouraged to take the MCP exam. (Available SY 2011-.)

### **10110A001 Microsoft Certified Professional (MCP)**

**CTE Course**

Microsoft Certified Professional courses provide students with the knowledge and skills necessary to be employed as a network administrator in the latest Windows server-networking environment. Topics include installing, configuring, and trouble-shooting the Windows server. These courses prepare students to set up network connections; manage security issues and shares; and develop policies. Students are typically encouraged to take the MCP exam. (Available SY 2019-2020.)

### **10206A000 Mobile Applications**

Mobile Applications courses provide students with opportunities to create applications for mobile devices using a variety of commercial and open source software. These courses typically address the installation and modification of these applications, as well as customer service skills to handle user issues. (Available SY 2021-.)

### **10206A001 Mobile Applications**

**CTE Course**

Mobile Applications courses provide students with opportunities to create applications for mobile devices using a variety of commercial and open source software. These courses typically address the installation and modification of these applications, as well as customer service skills to handle user issues. (Available SY 2021-.)

### **10204A002 Mobile Applications**

**CTE Course**

Mobile Applications courses provide students with opportunities to create applications for mobile devices using a variety of commercial and open source software. These courses typically address the installation and modification of these applications, as well as customer service skills to handle user issues. (Available SY 2019-2021.)

### **10105A000 NetWare Routing**

NetWare Routing courses introduce students to such topics as Virtual LANs (VLAN) and switched internetworking, comparing traditional shared local area network (LAN) configurations with

switched LAN configurations, and they also discuss the benefits of using a switched VLAN architecture. These courses also may cover routing protocols like RIP, IGRP, Novell IPX, and Access Control Lists (ACLs). (Available SY 2011-.)

### **10108A000 Network Security**

Network Security courses provide students with an understanding of network security principles and implementation. Course topics usually include authentication, the types of attacks and malicious code that may be used against computer networks, the threats and countermeasures for e-mail, Web applications, remote access, and file and print services. These courses may also cover a variety of security topologies as well as technologies and concepts used for providing secure communication channels, secure internetworking devices, intrusion detection systems, and firewalls. (Available SY 2011-.)

### **10108A001 Network Security**

**CTE Course**

Network Security courses provide students with an understanding of network security principles and implementation in computer and information technology field. Course topics usually include authentication, the types of attacks and malicious code that may be used against computer networks, the threats and countermeasures for e-mail, Web applications, remote access, and file and print services. These courses may also cover a variety of security topologies as well as technologies and concepts used for providing secure communication channels, secure internetworking devices, intrusion detection systems, and firewalls. (Available SY 2023-.)

### **10101A000 Network Technology**

Network Technology courses address the technology involved in the transmission of data between and among computers through data lines, telephone lines, or other transmission media, such as hard wiring, wireless, cable networks, and so on. These courses may emphasize the capabilities of networks, network technology itself, or both. Students typically learn about network capabilities and network technology, including the software, hardware, and peripherals involved in setting up and maintaining a computer network. (Available SY 2011-.)

### **10102A000 Networking Systems**

Networking Systems courses are designed to provide students with the opportunity to understand and work with hubs, switches, and routers. Students develop an understanding of LAN (local area network), WAN (wide area network), wireless connectivity, and Internet-based communications (including cloud-based computing), with a strong emphasis on network function, design, and installation practices. Students acquire skills in the design, installation, maintenance, and management of network systems that may help them obtain network certification. (Available SY 2011-.)

### **10148A001 Networking Systems Workplace Experience**

**CTE Course**

Networking Systems Workplace Experience courses provide students with work experience in fields related to networking systems. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2021-.)

### **10147A000 Networking Systems—Independent Study**

Networking Systems—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to networking systems. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **10149A000 Networking Systems—Other**

Other Networking Systems courses. (Available SY 2011-.)

### **10148A000 Networking Systems—Workplace Experience**

Networking Systems—Workplace Experience courses provide students with work experience in fields related to networking systems. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **10008A000 Particular Topics in Computer Literacy**

These courses examine particular topics related to general computer literacy other than those already described elsewhere in this classification system, such as privacy issues or instruction in using a particular software application. (Available SY 2011-.)

### **60008A000 Particular Topics in Computer Literacy (prior-to-secondary)**

These courses examine particular topics related to general computer literacy other than those already described, such as privacy issues or instruction in using a particular software application. (Available SY 2012-2023.)

### **10160A000 Particular Topics in Computer Programming**

These courses examine particular topics in computer programming other than those already described elsewhere in this classification system. (Available SY 2011-.)

### **10256A000 Particular Topics in Information Support and Services**

These courses examine particular topics in computer support, maintenance, and repair other than those already described elsewhere in this classification system. (Available SY 2011-.)

### **10055A000 Particular Topics in Management Information Systems**

These courses examine particular topics in management information systems other than those already described elsewhere in this classification system. (Available SY 2011-.)

### **10204A000 Particular Topics in Media Technology**

These courses examine particular topics in internet design and applications other than those already described elsewhere in this classification system. (Available SY 2011-.)

### **10111A000 Particular Topics in Networking Systems**

These courses examine particular topics in networking systems other than those already described elsewhere in this classification system. (Available SY 2011-.)

### **10014A000 PLTW Computer Science A**

Following Project Lead the Way's suggested curriculum to prepare students for the College Board's Advanced Placement Computer Science A exam, PLTW Computer Science A (formerly known as PLTW Computer Science Applications) courses focus on extending students' computational thinking skills through the use of various industry-standard programming and software tools. In these courses, students collaborate to design and produce solutions to real-life problems. (Available SY 2021-.)

### **10013A000 PLTW Computer Science Essentials**

Following Project Lead the Way's suggested curriculum, PLTW Computer Science Essentials (formerly known as PLTW Introduction to Computer Science) courses introduce students to computational thinking concepts, fundamentals, and tools. Students will increase their understanding of programming languages through the use of visual and text-based programming. Projects will include the creation of apps and websites to address real-life topics and problems. (Available SY 2021-.)

### **10015A000 PLTW Computer Science Principles**

Following Project Lead the Way's suggested curriculum to prepare students for the College Board's Advanced Placement Computer Science Principles exam, PLTW Computer Science Principles (formerly known as PLTW Computer Science and Software Engineering) courses are designed to help students develop computational thinking, and introduce students to possible career paths involving computing. These courses help students build programming expertise and familiarity with the Internet using multiple platforms and programming languages. Course content may include application development, visualization of data, cybersecurity, and simulation. (Available SY 2021-.)

### **10016A000 PLTW Cybersecurity**

Following Project Lead the Way's suggested curriculum, PLTW Cybersecurity courses introduce students to the tools and concepts of cybersecurity. In these courses, students are encouraged to understand vulnerabilities in computational resources and to create solutions that allow people to share computing resources while retaining privacy. These courses also introduce students to issues related to ethical computing behavior. (Available SY 2021-.)

### **10104A000 Router Basics**

Router Basics courses teach students about router components, installation, and configuration using routers (e.g., CISCO) switches and the IOS (Internetwork Operation System). These courses also cover such topics as TCP/IP protocol, IP addressing, subnetting concepts, and network trouble-shooting. (Available SY 2011-.)

### **10006A000 Telecommunications**

Telecommunications courses address the growth in global communications and the emerging equipment and systems needed to successfully communicate in a global environment. These courses cover such topics as data communication protocol and systems, government regulations of the communications industry, the use of cost-effective and productive tools to transmit messages and data, and live synchronistic video exchanges. Other topics may include telecommunications terminology, tools and test equipment; customer service experience; and



installation, repair, and delivery of telecommunications systems. In these courses, students may learn about such communication systems as e-mail, internet, or e-commerce, local area network (LAN), wide area network (WAN), voice transmission, cell phone technology, teleconferencing, and videoconferencing. (Available SY 2011-.)

### **10006A001 Telecommunications**

**CTE Course**

Telecommunications courses address the growth in global communications and the emerging equipment and systems needed to successfully communicate in a global environment. These courses cover such topics as data communication protocol and systems, government regulations of the communications industry, the use of cost-effective and productive tools to transmit messages and data, and live synchronistic video exchanges. Other topics may include telecommunications terminology, tools and test equipment; customer service experience; and installation, repair, and delivery of telecommunications systems. In these courses, students may learn about such communication systems as e-mail, internet, or e-commerce, local area network (LAN), wide area network (WAN), voice transmission, cell phone technology, teleconferencing, and videoconferencing. (Available SY 2020-.)

### **10153A000 Visual Basic (VB) Programming**

Visual Basic (VB) Programming courses provide an opportunity for students to gain expertise in computer programs using the Visual Basic (VB) language. As with more general computer programming courses, the emphasis is on how to structure and document computer programs and how to use problem-solving techniques. These courses cover such topics as the use of text boxes, scroll bars, menus, buttons, and Windows applications. More advanced topics may include mathematical and business functions and graphics. (Available SY 2011-.)

### **10153A001 Visual Basic (VB) Programming**

**CTE Course**

Visual Basic (VB) Programming courses provide an opportunity for students to gain expertise in computer programs using the Visual Basic (VB) language. As with more general computer programming courses, the emphasis is on how to structure and document computer programs and how to use problem-solving techniques. These courses cover such topics as the use of text boxes, scroll bars, menus, buttons, and Windows applications. More advanced topics may include mathematical and business functions and graphics. (Available SY 2019-2020.)

### **10201A001 Web Page and Interactive Media Development I**

**CTE Course**

Web Page and Interactive Media Development I is a skill-level course designed to prepare students to plan, design, create and maintain web pages and sites. Students will learn the fundamentals of web page design using HTML, HTML editors, and graphic editors as well as programming tools such as JavaScript. Students will work in a project-based environment to create a working website. Students will learn to create pages, add hyperlinks, make tables and

frames, create forms, integrate images, and set styles. Students will use image-editing programs to manipulate scanned images, computer graphics, and original artwork. Instruction will include creating graphical headers, interactive menus and buttons, and visually appealing backgrounds. Students will use hardware and software to capture, edit, create, and compress audio and video clips. (Available SY 2011-.)

### **10201A002 Web Page and Interactive Media Development II**

**CTE Course**

Web Page and Interactive Media Development II is a skill-level course for students who have completed Web Page and Interactive Media Development I. Instruction will include using multimedia authoring applications and programming tools such as JavaScript to create a web site that combines text, hyperlinks, images, video, and sound. Instruction will include using hardware and software to capture, edit, create, and compress audio and video clips as well as create animated text, graphics, and images. Other topics will include using tables to align images with text, creating newspaper-style columns, and inserting side menus and call-outs. Students will learn how to use templates, cascading style sheets and interactive elements to enhance web pages. Students will learn to create dynamic forms that include multiple-choice questions, comment boxes, and buttons. Students will learn how to connect to a database and retrieve and write data. Students are encouraged to develop a portfolio project that demonstrates their expertise in areas such as multimedia authoring, web development, audio and video editing, and advanced JavaScript applications to create interactive web pages. (Available SY 2011-.)

### **10248A001 Web Page and Media Design Workplace Experience**

**CTE Course**

Web Page and Media Design Workplace Experience courses provide students with work experience in fields related to web page and media design. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2021-.)

### **10201A000 Web Page Design**

Web Page Design courses teach students how to design websites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, Document Object Model, and Cascading Style Sheets—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals. (Available SY 2011-.)

### **60201A000 Web Page Design (prior-to-secondary)**

Web Page Design courses teach students how to design websites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages-such as Extensible Hypertext Markup, JAVA Script, Dynamic HTML, and Document Object Model-to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals. (Available SY 2012-2023.)

### **10106A000 Wide Area Telecommunications and Networking**

Wide Area Telecommunications and Networking courses provide students with the knowledge and skills to enable them to design Wide Area Networks (WANs) using ISDN, Frame-Relay, and PPP. These courses provide students with an understanding of internetworking and expertise in trouble-shooting and assessing the adequacy of network configurations to meet changing conditions. Topics may include also Local Area Network (LAN) segmentation. (Available SY 2011-.)

### **10107A000 Wireless Networks**

Wireless Networks courses focus on the design, planning, implementation, operation, and trouble-shooting of wireless computer networks, including local access networks (LANs). These courses typically include a comprehensive overview of best practices in technology, security, and design. (Available SY 2011-.)

# 11 Communication and Audio/Visual Technology

## **11998A002 Arts, Audio/Video Technology & Communications Workplace Experience**

**CTE Course**

Arts, Audio/Video Technology & Communications Workplace Experience courses provide work experience in fields related to the Arts, Audio/Video Technology & Communications cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

## **11051A001 Audio/Video Production I**

**CTE Course**

This course is designed to provide students with the skills needed for a career in the technical aspects of radio and television broadcasting. Instruction includes camera operations, basic audio and video editing, sound and lighting techniques, and sound mixing. Students learn the operation, maintenance, and repair of video and DVD recording equipment, video/digital cameras, microphones, computers, lighting/grip equipment, and other production equipment used in the video and audio production of television programs. Students also learn to use, maintain, and repair various types of audio recorders, amplifiers, transmitters, receivers, microphones, and sound mixers to record and broadcast radio programs. (Available SY 2011-.)

## **11051A002 Audio/Video Production II**

**CTE Course**

This course is for students who have completed Audio/Video Production I. In addition to expanding on the activities explored in the first course, students work in a team-based environment to create a variety of video and audio related broadcasts. Instruction includes single and multi camera operations, linear and nonlinear video editing, production and post-production processes, animation graphics, sound mixing, multi-track production, audio editing, and special effects. Students learn how to use digital editing equipment and software to electronically cut and paste video and sound segments together, as well as how to regulate and monitor signal strength, volume, sound quality, brightness, and clarity of outgoing signals. This course also provides students with an understanding of the FCC and other governmental agencies regulations related to radio and television broadcasting. (Available SY 2011-.)

### **61099A000 Audio/Video Technology and Film – Other**

(Available SY 2012-2023.)

### **11097A000 Audio/Video Technology and Film—Independent Study**

Audio/Video Technology and Film—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to A/V technology or film. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **11099A000 Audio/Video Technology and Film—Other**

Other Audio/Video Technology and Film courses. (Available SY 2011-.)

### **11098A000 Audio/Video Technology and Film—Workplace Experience**

Audio/Video Technology and Film—Workplace Experience courses provide students with work experience in a field related to audio/visual technology and/or film. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **11051A000 Audio/Visual Production**

Audio/Visual Production courses provide students with the knowledge and skills necessary for television, video, film, and/or radio production. Writing scripts, camera operation, use of graphics and other visuals, lighting, audio techniques, editing, production principles, and career opportunities are typical topics covered within production courses. Students are usually required to produce their own program or segment. Additional topics such as broadcast industry regulations, radio/TV operation, power of the medium, photography, transmission technology, and so on may be included. (Available SY 2011-.)

### **61051A000 Audio/Visual Production (prior-to-secondary)**

Audio/Visual Production courses provide to students the knowledge and skills necessary for television, video, film, and/or radio production. Writing scripts, camera operation, use of graphics and other visuals, lighting, audio techniques, editing, production principles, and career opportunities are typical topics covered within production courses. Students are usually required to produce their own program or segment. Additional topics such as broadcast industry

regulations, radio/TV operation, power of the medium, photography, transmission technology, and so on may be included. (Available SY 2012-2023.)

**11051A003 Beginning Audio/Visual Production**

**CTE Course**

Beginning Audio/Visual Production course provide students with the basic knowledge and skills necessary for television, video, film, and/or radio production. Camera operation, use of graphics and other visuals, lighting, audio techniques, editing, production principles, and career opportunities are typical topics covered within this course. (Available SY 2012-.)

**11154A003 Beginning Graphic Communication**

**CTE Course**

Beginning Graphic Communication course will teach students to use artistic techniques to effectively communicate ideas via illustration and other forms of digital or printed media. Topics covered may include concept design, layout, paste-up and techniques such as engraving, etching, silkscreen, lithography, offset, drawing, collage and computer graphics. (Available SY 2012-.)

**11052A003 Beginning Photography**

**CTE Course**

Beginning Photography course provides instruction in the use of conventional and digital cameras and laboratory film processing techniques. Topics covered in the course include composition and color dynamics; contact printing; enlarging; developing film and use of camera meters. (Available SY 2012-.)

**11998A001 Broadcast Technology Workplace Experience**

**CTE Course**

Broadcast Technology Workplace Experience courses provide students with work experience in a field related to communication or audio/visual technology. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **11103A000 Broadcasting Technology**

Broadcasting Technology courses provide students with the knowledge and skills to produce television broadcast programs. Typically, students prepare and produce short programs, learning the technical aspects of the operation and how to evaluate programming and assess audience reaction and impact. (Available SY 2011-.)

### **11103A001 Broadcasting Technology**

**CTE Course**

Broadcasting Technology courses provide students with the knowledge and skills to produce television broadcast programs. Typically, students prepare and produce short programs, learning the technical aspects of the operation and how to evaluate programming and assess audience reaction and impact. (Available SY 2022-.)

### **61103A000 Broadcasting Technology (prior-to-secondary)**

Broadcasting Technology courses provide to students the knowledge and skills to produce television broadcast programs. Typically, students prepare and produce short programs, learning the technical aspects of the operation and how to evaluate programming and assess audience reaction and impact. (Available SY 2012-2023.)

### **11155A001 Commercial & Advertising Art I**

**CTE Course**

This course is designed to provide students with the skills needed for a career in the fields of advertising, commercial art, graphic design, web site development, and graphic illustrator. Students learn to apply artistic design and layout principles along with text, graphics, drawing, rendering, sound, video, and 2D/3D animation integration to develop various print, video, and digital products. Students use hardware and software programs to create, manipulate, color, paint, and layer scanned images, computer graphics, and original artwork. Students use hardware and software to capture, edit, create, and compress audio and video clips. Students use animation and 2D/3D hardware and software to create animated text, graphics, and images. Students apply artistic techniques to design and create advertisements, displays, publications, technical illustrations, marketing brochures, logos, trademarks, packaging, video graphics, and computer-generated media. (Available SY 2011-.)

### **11155A002 Commercial & Advertising Art II**

**CTE Course**

This course continues to build on the concepts and skills introduced in Commercial and Advertising Art I. In addition to expanding on the activities explored in Commercial and Advertising Art I, students work in a project-based environment to create a variety of interactive online and CD/DVD-based products such as web sites, catalogs, publications, marketing materials, presentations, and educational/training programs. Students create dynamic web pages and sites using HTML, HTML editors, and graphic editors. Students create graphic sketches, designs, and

copy layouts for online content. Instruction includes how to determine size and arrangement of illustrative material and copy, select style and size of type, and arrange layout based upon available space. Students learn how to capture and edit images, sound, and video, and combine them with text and animation. Instruction includes client interviewing skills, product proposal development, and product presentation techniques. Students also learn how to create a product portfolio. (Available SY 2011-.)

### **11154A000 Commercial Graphic Design**

Commercial Graphic Design courses teach students to use artistic techniques to effectively communicate ideas and information to business and customer audiences via illustration and other forms of digital or printed media. Topics covered may include concept design, layout, paste-up and techniques such as engraving, etching, silkscreen, lithography, offset, drawing and cartooning, painting, collage and computer graphics. (Available SY 2011-.)

### **11052A000 Commercial Photography**

Commercial Photography courses provide instruction in the use of cameras and laboratory film-processing techniques. Topics covered in the course include composition and color dynamics; contact printing; enlarging; developing audio and visual images; use of camera meters, air brushes, and other photographic equipment; portrait, commercial, and industrial photography; processing microfilm; and preparing copy for printing or for graphic arts processing. (Available SY 2011-.)

### **61052A000 Commercial Photography (prior-to-secondary)**

Commercial Photography courses provide instruction in the use of cameras and laboratory film-processing techniques. Topics covered in the course include composition and color dynamics; contact printing; enlarging; developing film; use of camera meters, air brushes, and other photographic equipment; portrait, commercial, and industrial photography; processing microfilm; and preparing copy for printing or for graphic-arts processing. (Available SY 2012-2023.)

### **11052A001 Commercial Photography I**

**CTE Course**

This course provides students with experiences related to the photography field including conventional and digital cameras. Planned experiences give students a clear and concise introduction in the following areas: safety and proper housekeeping of the photo studio, photography of visual and communicative discipline, constructing a usable cardboard camera and develop printing, learning basic terms, understanding how film/paper work, proper exposure, working in the darkroom and knowing all necessary darkroom activities, safe use of photo chemicals, using dyes, and mounting and matting a completed photographic image. In addition, students are introduced to photographic terms, using light meters to measure natural and artificial lighting, using various lighting sources, manipulating basic backgrounds with different light



sources, conducting shop operations, performing camera work, processing film and performing darkroom work on black and white and color film, printing photographic images, purchasing equipment and supplies, and the selection and use of cameras, film, lenses, accessories, tripods and filters. (Available SY 2011-.)

### **11052A002 Commercial Photography II**

**CTE Course**

This course provides learning experiences related to the tools, materials, processes and practices utilized in the photography industry including conventional and digital cameras. Instruction includes arranging photography sessions, selecting and using cameras, film, lenses, and accessories, calculating and setting shutter speed, preparing darkroom equipment, mixing chemicals, processing film both black and white and color, printing photographic images such as enlargements, sandwich negatives, and copying slides. In addition, Commercial Photography II provides students with a better understanding of photographic images and their application in design. Students shoot photographs specifically for design layouts and in the process develop a better visual language, enhancing photo selection and editing skills. Students learn to visualize not only the look of the design, but also the structure and form of the photographs they shoot. (Available SY 2011-.)

### **11098A001 Commercial Photography Workplace Experience**

**CTE Course**

Commercial Photography Workplace Experience courses provide students with work experience in a field related to audio/visual technology and/or film. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **61047A000 Communication – Independent Study**

Communication-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to mass communications. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **61049A000 Communication – Other**

(Available SY 2012-2023.)

### **61997A000 Communication and Audio/Video Technology – Independent Study**

Communication and Audio/Video Technology-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to mass communication and its technologies. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **61999A000 Communication and Audio/Video Technology – Other**

(Available SY 2012-2023.)

### **11995A000 Communication and Audio/Video Technology—Aide**

Communication and Audio/Video Technology—Aide courses offer students the opportunity to assist instructors in preparing, organizing or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

### **11997A000 Communication and Audio/Video Technology—Independent Study**

Communication and Audio/Video Technology—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to mass communication and its technologies. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **11999A000 Communication and Audio/Video Technology—Other 1199**

Other Communication and Audio/Video Technology courses. (Available SY 2011-.)

## **11998A000 Communication and Audio/Video Technology—Workplace Experience**

Communication and Audio/Video Technology—Workplace Experience courses provide students with work experience in a field related to communication or audio/visual technology. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

## **11002A000 Communication Technology**

Communication Technology courses enable students to effectively communicate ideas and information through experiences dealing with drafting, design, electronic communication, graphic arts, printing process, photography, telecommunications, and computers. Additional topics covered in the course include information storage and retrieval. Drafting equipment may be used to make scale drawings, including multi-view drawing, photographs, and poster mock-ups. (Available SY 2011-.)

### **11002A001 Communication Technology**

**CTE Course**

Communication Technology is a course designed to foster an awareness and understanding of the technologies used to communicate in our modern society. Students gain experience in the areas of design and drafting, radio and television broadcasting, computers in communication, photography, graphic arts, and telecommunications. (Available SY 2011-.)

## **61002A000 Communication Technology (prior-to-secondary)**

Communication Technology courses enable students to effectively communicate ideas and information through experiences dealing with drafting, design, electronic communication, graphic arts, printing process, photography, telecommunications, and computers. Additional topics covered in the course include information storage and retrieval. Drafting equipment may be used to make scale drawings, including multi-view drawing, photographs, and poster mock-ups. (Available SY 2012-2023.)

## **11047A000 Communication—Independent Study**

Communication—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to mass communications. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **11049A000 Communication—Other**

Other Communication courses. (Available SY 2011-.)

### **11048A000 Communication—Workplace Experience**

Communication—Workplace Experience courses provide students with work experience in a field related to communication. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **11152A000 Desktop Publishing**

Desktop Publishing courses integrate the knowledge and skills learning in word processing with the concepts, procedures and application of desktop publishing. Students learn to format, create and proofread brochures, programs, newsletters, web pages, presentations and manuscripts. (Available SY 2011-.)

### **11152A001 Desktop Publishing**

**CTE Course**

Desktop Publishing courses integrate the knowledge and skills learning in word processing with the concepts, procedures and application of desktop publishing. Students learn to format, create and proofread brochures, programs, newsletters, web pages, presentations and manuscripts. (Available SY 2022-.)

### **61152A000 Desktop Publishing (prior-to-secondary)**

Desktop Publishing courses integrate the knowledge and skills learning in word processing with the concepts, procedures and application of desktop publishing. Students learn to format, create and proofread brochures, programs, newsletters, web pages, presentations and manuscripts. (Available SY 2012-2023.)

### **11153A000 Digital Media Design and Production**

Digital Media Design and Production courses teach students the fundamentals of graphic design and production and provide students with the opportunity to apply these principles to printed media, digital presentation media, and interactive media. (Available SY 2011-.)

### **11153A001 Digital Media Design and Production**

**CTE Course**

Digital Media Design and Production courses teach students the fundamentals of graphic design and production and provide students with the opportunity to apply these principles to printed media, digital presentation media, and interactive media. (Available SY 2022-.)

### **11151A000 Digital Media Technology**

These courses are designed to give students the skills necessary to support and enhance their learning about digital medial technology. Topics covered in the course may include internet research, copyright laws, web-publishing, use of digital imagery, electronic forums, newsgroups, mailing lists, presentation tools, and project planning. (Available SY 2011-.)

### **11151A001 Digital Media Technology**

**CTE Course**

These courses are designed to give students the skills necessary to support and enhance their learning about digital medial technology. Topics covered in the course may include internet research, copyright laws, web-publishing, use of digital imagery, electronic forums, newsgroups, mailing lists, presentation tools, and project planning. (Available SY 2022-.)

### **61151A000 Digital Media Technology (prior-to-secondary)**

These courses are designed to give students the skills necessary to support and enhance their learning about digital medical technology. Topics covered in the course may include internet research, copyright laws, web-publishing, use of digital imagery, electronic forums, newsgroups, mailing lists, presentation tools, and project planning. (Available SY 2012-2023.)

### **11106A000 Emerging Technologies in Journalism**

Emerging Technologies in Journalism courses promote the development of the necessary skills for journalism. Course topics may include an exploration of the role media and the communications industry has in society, technical skills related to journalistic writing and interviewing, electronic communications, journalistic blogging, and the ethical and legal issues related to technology in media and communications. (Available SY 2021-.)

### **11154A001 Graphic Communications I**

**CTE Course**

Graphic Communications I provides learning experiences common to all graphic communications occupations. Instruction should include use of color, balance and proportion in design; three-

dimensional visualization; sketching; design procedures; layout; selection of type styles; selection of appropriate drawing tools and media; and the use of the computer as a communication tool. Planned learning activities will allow students to become knowledgeable of fundamental principles and methods and to develop technical skills related to the graphic arts industry. (Available SY 2011-.)

### **11154A002 Graphic Communications II**

### **CTE Course**

Graphic Communications II provides learning experiences related to the tools, materials, processes and practices utilized in the printing industry. Instruction is provided in industrial safety; stencil preparation and duplicating equipment operation; print screen preparation and printing; machine typesetting; ink and color preparation; assembly, binding, and trimming operations; layout, digital paste up and copy preparation. In addition the course provides the student with learning experiences in the use of cameras and photographic equipment, development and processing of photographic negatives and prints, negative stripping and related platemaking procedures, photocomposition, photoengraving, lithography, and offset presswork. Use of the computer in graphic arts occupations should be emphasized. (Available SY 2011-.)

### **11048A001 Graphic Communications Workplace Experience**

### **CTE Course**

Graphic Communications Workplace Experience courses provide students with work experience in a field related to communication. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **11155A000 Graphic Technology**

Graphic Technology courses help students apply artistic and computer techniques to the interpretation of technical and commercial concepts. Topics covered may include computer assisted art and design, printmaking, concept sketching, technical drawing, color theory, imaging, studio techniques, still life modeling, and commercial art business operations. Advanced topics may include topographic arrangements of print and/or electronic graphic and textual products, printing and lithographic equipment and operations, digital imaging, print preparation, desktop publishing and web page design. (Available SY 2011-.)

### **11001A000 Introduction to Communication**

Introduction to Communication courses enable students to understand and critically evaluate the role of media in society. Course content typically includes investigation of visual images, printed material, and audio segments as tools of information, entertainment, and communication to influence opinion; improvement of presentation and evaluative skills in relation to mass media; recognition of various techniques for delivery of a particular message; and, in some cases, creation of a media product. The course may concentrate on a particular medium. (Available SY 2011-.)

### **11001A001 Introduction to Communication**

**CTE Course**

Introduction to Communication courses enable students to understand and critically evaluate the role of media in society. Course content typically includes investigation of visual images, printed material, and audio segments as tools of information, entertainment, and communication to influence opinion; improvement of presentation and evaluative skills in relation to mass media; recognition of various techniques for delivery of a particular message; and, in some cases, creation of a media product. The course may concentrate on a particular medium. (Available SY 2022-.)

### **61001A000 Introduction to Communication (prior-to-secondary)**

Introduction to Communication courses enable students to understand and critically evaluate the role of media in society. Course content typically includes investigation of visual images, printed material, and audio segments as tools of information, entertainment, and propaganda; improvement of presentation and evaluative skills in relation to mass media; recognition of various techniques for delivery of a particular message; and, in some cases, creation of a media product. The course may concentrate on a particular medium. (Available SY 2012-2023.)

### **11101A000 Journalism**

Journalism courses (typically associated with the production of a school newspaper, yearbook, or literary magazine) emphasize writing style and technique as well as production values and organization. Journalism courses introduce students to the concepts of newsworthiness and press responsibility; develop students' skills in writing and editing stories, headlines, and captions; and teach students the principles of production design, layout, and printing. Photography, photojournalism, and digital technology skills may be included. (Available SY 2011-.)

### **61101A000 Journalism (prior-to-secondary)**

Journalism courses (typically associated with the production of a school newspaper, yearbook, or literary magazine) emphasize writing style and technique as well as production values and organization. Journalism courses introduce students to the concepts of newsworthiness and press

responsibility; develop students' skills in writing and editing stories, headlines, and captions; and teach students the principles of production design, layout, and printing. Photography and photojournalism skills may be included. (Available SY 2012-2023.)

### **61147A000 Journalism and Broadcasting – Independent Study**

Journalism and Broadcasting-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to journalism, broadcasting, and mass media. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **61149A000 Journalism and Broadcasting – Other**

(Available SY 2012-2023.)

### **11147A000 Journalism and Broadcasting—Independent Study**

Journalism and Broadcasting—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to journalism, broadcasting, and mass media. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **11149A000 Journalism and Broadcasting—Other**

Other Journalism and Broadcasting courses. (Available SY 2011-.)

### **11148A000 Journalism and Broadcasting—Workplace Experience**

Journalism and Broadcasting—Workplace Experience courses provide students with work experience in a field related to journalism or broadcasting. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)



### **11056A000 Particular Topics in Audio/Video Technology and Film**

These courses examine specific topics in audio and video technology and film other than those already described elsewhere in this classification system. (Available SY 2011-.)

### **61056A000 Particular Topics in Audio/Video Technology and Film (prior-to-secondary)**

These courses examine specific topics in audio and video technology and film other than those already described. (Available SY 2012-2023.)

### **11003A000 Particular Topics in Communication**

These courses examine specific topics in communication other than those already described elsewhere in this classification system. (Available SY 2011-.)

### **61003A000 Particular Topics in Communication (prior-to-secondary)**

These courses examine specific topics in communication other than those already described. (Available SY 2012-2023.)

### **11105A000 Particular Topics in Journalism and Broadcasting**

These courses examine specific topics in journalism and broadcasting other than those already described elsewhere in this classification system. (Available SY 2011-.)

### **61105A000 Particular Topics in Journalism and Broadcasting (prior-to-secondary)**

These courses examine specific topics in journalism and broadcasting other than those already described. (Available SY 2012-2023.)

### **11159A000 Particular Topics in Printing Technology and Production**

These courses examine specific topics in printing production, such as bookbinding or silkscreen printmaking, other than those already described elsewhere in this classification system. (Available SY 2011-.)

**61159A000 Particular Topics in Printing Technology and Production (prior-to-secondary)**

These courses examine specific topics in printing production, such as bookbinding or silkscreen printmaking, other than those already described. (Available SY 2012-2023.)

**11054A000 Photo Imaging**

Photo Imaging courses provide students with the opportunity to effectively communicate ideas and information via digital, film, still and video photography. Topics covered typically include composition, layout, lighting and supplies. More advanced courses may include instruction in specialized camera and equipment maintenance, application to commercial and industrial need and photography business operations. (Available SY 2011-.)

**11054A001 Photo Imaging**

**CTE Course**

Photo Imaging courses provide students with the opportunity to effectively communicate ideas and information via digital, film, still and video photography. Topics covered typically include composition, layout, lighting and supplies. More advanced courses may include instruction in specialized camera and equipment maintenance, application to commercial and industrial need and photography business operations. (Available SY 2022-.)

**61054A000 Photo Imaging (prior-to-secondary)**

Photo Imaging courses provide the opportunity for students to effectively communicate ideas and information via digital, film, still and video photography. Topics covered typically include composition, layout, lighting and supplies. More advanced courses may include instruction in specialized camera and equipment maintenance, application to commercial and industrial need and photography business operations. (Available SY 2012-2023.)

**11157A000 Photoengraving**

Photoengraving courses teach students to photograph illustration and other copy that cannot be set in type, to develop negatives, and to prepare photosensitized metal plates for use in printing. (Available SY 2011-.)

### **11053A000 Photographic Laboratory and Darkroom**

Photographic Laboratory and Darkroom courses prepare students to develop and print still or motion picture film. Topics covered in the course may include controlling resultant prints; touching up negatives; and finishing, coloring, restoring, and copying prints. (Available SY 2011-.)

### **11053A001 Photographic Laboratory and Darkroom**

**CTE Course**

Photographic Laboratory and Darkroom courses prepare students to develop and print still or motion picture film. Topics covered in the course may include controlling resultant prints; touching up negatives; and finishing, coloring, restoring, and copying prints. (Available SY 2022-.)

### **61053A000 Photographic Laboratory and Darkroom (prior-to-secondary)**

Photographic Laboratory and Darkroom courses prepare students to develop and print still or motion picture film. Topics covered in the course may include controlling resultant prints; touching up negatives; and finishing, coloring, restoring, and copying prints. (Available SY 2012-2023.)

### **11156A000 Photography and Printing Technology**

Photography and Printing Technology courses expose students to the tools, materials and processes involved in mass production of photography and printing. Types of printing covered in the course may include intaglio, relief, planographic, screen processes printing, silk screening, serigraphy processes and thermograph. Additional topics may include the use of cameras, composition, imposition, presswork, and computer aided publishing. (Available SY 2011-.)

### **11156A001 Photography and Printing Technology**

**CTE Course**

Photography and Printing Technology courses expose students to the tools, materials and processes involved in mass production of photography and printing. Types of printing covered in the course may include intaglio, relief, planographic, screen processes printing, silk screening, serigraphy processes and thermograph. Additional topics may include the use of cameras, composition, imposition, presswork, and computer aided publishing. (Available SY 2022-.)

### **11102A000 Photojournalism**

Photojournalism courses expose students to the manner in which photography is used to convey information and experiences. Typically coordinated with production of the school newspaper, yearbook, or other media product, photojournalism courses provide students with the opportunity

to improve their photo composition and digital technology skills, and to apply their art to journalistic endeavors. These courses may also cover film development. (Available SY 2011-.)

### **61102A000 Photojournalism (prior-to-secondary)**

Photojournalism courses expose students to the manner in which photography is used to convey information and experiences. Typically coordinated with production of the school newspaper, yearbook, or other media product, photojournalism courses provide the opportunity for students to improve their photo composition and film development skills, and to apply their art to journalistic endeavors. (Available SY 2012-2023.)

### **11158A000 Print Press Operations**

These courses expose students to the necessary skills for operating a print press. Topics covered in this course include how to prepare, operate and maintain printing processes. (Available SY 2011-.)

### **61197A000 Printing Technology – Independent Study**

Printing Technology-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to the print medium. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **61199A000 Printing Technology – Other**

(Available SY 2012-2023.)

### **11197A000 Printing Technology—Independent Study**

Printing Technology—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to the print medium. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **11199A000 Printing Technology—Other**

Other Printing Technology courses. (Available SY 2011-.)

### **11198A000 Printing Technology—Workplace Experience**

Printing Technology—Workplace Experience courses provide students with work experience in a field related to printing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **11104A000 Publication Production**

Publication Production courses provide students with the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or other printed publication. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication. (Available SY 2011-.)

### **11104A001 Publication Production**

**CTE Course**

Publication Production courses provide students with the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or other printed publication. Students may gain experience in several components (e.g., writing, editing, layout, production) or may focus on a single aspect while producing the publication. (Available SY 2022-.)

### **61104A000 Publication Production (prior-to-secondary)**

Publication Production courses provide to students the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or other printed publication. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication. (Available SY 2012-2023.)

### **11107A000 Radio Production**

Radio Production courses address practices related to the management and operation of a broadcasting station. Students are introduced to the radio industry, news reporting, and broadcast engineering. In these courses, students learn basic electricity and electronics, including all aspects of safety. Topics typically include operating audio boards, announcing, creating and

producing audio scripts, and using digital audio software. Advanced courses may explore direct programming, on-air performance, and analysis of radio markets. (Available SY 2021-.)

### **11107A001 Radio Production**

**CTE Course**

Radio Production courses address practices related to the management and operation of a broadcasting station. Students are introduced to the radio industry, news reporting, and broadcast engineering. In these courses, students learn basic electricity and electronics, including all aspects of safety. Topics typically include operating audio boards, announcing, creating and producing audio scripts, and using digital audio software. Advanced courses may explore direct programming, on-air performance, and analysis of radio markets. (Available SY 2021-.)

### **11004A000 Social Media**

Social Media courses expose students to various types of social media and how social media has influenced society. These courses emphasize the forms, functions, regulations, implications, and utilization of social media. (Available SY 2021-.)

### **11004A001 Social Media**

**CTE Course**

Social Media courses expose students to various types of social media and how social media has influenced society. These courses emphasize the forms, functions, regulations, implications, and utilization of social media. (Available SY 2021-.)

### **11055A000 Video**

Video courses enable students to explore video communications, incorporating both the technical and artistic aspects of video media. Topics covered in the course include the use of video equipment and techniques, and students typically create a video presentation. Advanced course topics may include creating various forms of film media including silent film; sport and music video; and self portrait video. (Available SY 2011-.)

### **61055A000 Video (prior-to-secondary)**

Video courses enable students to explore video communications, incorporating both the technical and artistic aspects of video media. Topics covered in the course include the use of video equipment and techniques, and students typically create a video presentation. Advanced course topics may include creating various forms of film media including silent film; sport and music video; and self portrait video. (Available SY 2012-2023.)

## 12 Business and Marketing

### 12104A000 Accounting

Accounting courses introduce students to and expand their knowledge of the fundamental accounting principles and procedures used in businesses through integrating and using accounting-related software and information systems. Course content includes the recording and completion of the accounting cycle, payroll, taxes, debts, depreciation, and periodic adjustments through a computerized accounting program. Students may learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or computer accounting software are usually used. Advanced topics may include principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process. (Available SY 2011-.)

### 12104A002 Accounting II

#### CTE Course

Accounting II is a course that builds upon the foundation established in Accounting I. This course is planned to help students to develop deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. It is a study of previously learned principles as they apply to the more complicated types of business organizations: partnerships, corporations, branches, etc. The students may become familiar with such specialized fields of accounting as cost accounting, tax accounting, payroll accounting, and others. Some students may choose to do specialized accounting computer applications, and others may elect payroll clerk, data processing computer applications. Simulated business conditions may be provided through the use of practice sets. Skills are developed in the entry, retrieval, and statistical analysis of business data using computers for accounting business applications. (Available SY 2011-.)

### 12104A001 Accounting I

#### CTE Course

Accounting I is a course assists students pursuing a career in business, marketing, and management. This course includes planned learning experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying and maintaining numerical data involved in financial and product control records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision making. Accounting computer applications should be integrated throughout the course where applicable. In addition to stressing basic fundamentals and terminology of accounting, instruction should provide initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, and career opportunities in the accounting field. Processing employee benefits may also be included. (Available SY 2011-.)

## **12148A002 Accounting Workplace Experience**

## **CTE Course**

Accounting Workplace Experience courses provide students with work experience in fields related to finance. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

## **62047A000 Administration – Independent Study**

Administration-Independent Study courses, often conducted with instructors as mentors, enable students to explore business administration-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

## **12047A000 Administration—Independent Study**

Administration—Independent Study courses, often conducted with instructors as mentors, enable students to explore business administration-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

## **12049A000 Administration—Other**

Other Administration courses. (Available SY 2011-.)

## **12048A000 Administration—Workplace Experience**

Administration—Workplace Experience courses provide students with work experience in fields related to business administration. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)



## **12048A002 Administrative Assistant Workplace Experience**

## **CTE Course**

Administrative Assistant Workplace Experience courses provide students with work experience in fields related to business administration assisting. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

## **12152A001 Advanced Marketing**

## **CTE Course**

Marketing—Comprehensive courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics may include (but are not limited to) market research, the purchasing process, distribution systems, warehouse and inventory control, salesmanship, sales promotions, shoplifting and theft control, business management, and entrepreneurship. Human relations, computers, and economics are often covered as well. (Available SY 2011-.)

## **12168A001 Agricultural Commodity Marketing**

## **CTE Course**

Agricultural Commodity Marketing courses investigate the meaning and methods of marketing as related to agricultural commodities, products and services, and agricultural goods in domestic and international markets. Topics typically include appropriate market research; benefit/cost analysis of marketing; risk management, futures and options contracts, relationship between cash and futures, hedging strategies, commodity price behavior and methods of targeted agricultural marketing in domestic and international markets. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

## **12102A000 Banking**

Banking courses expose students to the United States' monetary and banking systems. These courses may also examine and apply the methods used for measuring the financial performance of banks in addition to examining specialized brokerage products, current issues, and future trends in banking. (Available SY 2011-.)

## **12102A001 Banking**

**CTE Course**

Banking courses are similar to Banking and Finance courses, but they focus specifically on banking. These courses may also address examining and applying the methods used for measuring the financial performance of banks in addition to examining specialized brokerage products, current issues, and future trends in banking. (Available SY 2020-.)

## **12101A000 Banking and Finance**

Banking and Finance courses provide students with an overview of the United States' monetary and banking systems, as well as types of financial institutions and the services and products that they offer. Course content may include government regulations; checking, savings, and money market accounts; loans; investments; and negotiable instruments. (Available SY 2011-.)

## **12101A001 Banking and Finance**

**CTE Course**

Banking and Finance courses provide students with an overview of the American monetary and banking system as well as types of financial institutions and the services and products that they offer. Course content may include government regulations; checking, savings, and money market accounts; loans; investments; and negotiable instruments. (Available SY 2020-.)

## **62101A000 Banking and Finance (prior-to-secondary)**

Banking and Finance courses provide an overview of the American monetary and banking system as well as types of financial institutions and the services and products that they offer. Course content may include government regulations; checking, savings, and money market accounts; loans; investments; and negotiable instruments. (Available SY 2012-2023.)

## **62997A000 Business and Marketing – Independent Study**

Business and Marketing-Independent Study courses, often conducted with instructors or professionals as mentors, enable students to explore business or marketing-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

## **62999A000 Business and Marketing – Other**

(Available SY 2012-2023.)

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### **12995A000 Business and Marketing—Aide**

Business and Marketing—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

### **12997A000 Business and Marketing—Independent Study**

Business and Marketing—Independent Study courses, often conducted with instructors or professionals as mentors, enable students to explore business or marketing-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **12999A000 Business and Marketing—Other**

Other Business and Marketing courses. (Available SY 2011-.)

### **12998A000 Business and Marketing—Workplace Experience**

Business and Marketing—Workplace Experience courses provide students with work experience in fields related to business and marketing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **12001A001 Business and Technology Concepts**

**CTE Course**

This orientation-level course will provide an overview of all aspects of business marketing and management, including the concepts, functions, and skills required for meeting the challenges of operating a business in a global economy. Topics covered will include the various forms of business ownership, including entrepreneurship, as well as the basic functional areas of business (finance, management, marketing, administration and production). Students will be introduced to a wide range of careers in fields such as accounting, financial services, information technology, marketing, and management. Emphasis will be placed on using the computer while studying applications in these careers along with communication skills (thinking, listening, composing, revising, editing, and speaking), math and problem solving. Business ethics as well as other workplace skills will be taught and integrated within this course. This course is not intended to meet the consumer education requirement, but rather to provide preparation for the skill level

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courses that make up the Business, Marketing and Management occupations programs.  
(Available SY 2011-.)

### **1209A000 Business Communications**

Business Communications courses help students to develop an understanding and appreciation for effective communication in business situations and environments. Emphasis is placed on all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating nonverbally, and utilizing technology for communication. Business communication functions, processes, and applications in the context of business may be practiced through problem-based projects and real world application. (Available SY 2011-.)

### **1209A001 Business Communications**

**CTE Course**

Business Communications courses help students to develop an understanding and appreciation for effective communication in business situations and environments. Emphasis is placed on all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating nonverbally, and utilizing technology for communication. Business communication functions, processes, and applications in the context of business may be practiced through problem-based projects and realworld application. (Available SY 2021-.)

### **12105A000 Business Economics**

Business Economics courses integrate economic principles (such as free market economy, consumerism, and the role of the U.S. government within the economic system) with entrepreneurship/business concepts (such as marketing principles, business law, and risk). (Available SY 2011-.)

### **12105A001 Business Economics**

**CTE Course**

Business Economics courses integrate economic principles (such as free market economy, consumerism, and the role of American government within the economic system) with entrepreneurship/business concepts (such as marketing principles, business law, and risk). (Available SY 2020-.)

### **12060A000 Business Ethics**

Business Ethics courses focus on the study of ethical principles and the application of those principles to situations relevant to decision-making in the professional and business worlds. (Available SY 2021-.)

### **12060A001 Business Ethics**

**CTE Course**

Business Ethics courses focus on the study of ethical principles and the application of those principles to situations relevant to decision-making in the professional and business worlds. (Available SY 2021-.)

### **12054A000 Business Law**

Business Law courses emphasize legal concepts that are relevant to business and business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities. (Available SY 2011-.)

### **12054A001 Business Law**

**CTE Course**

Introduces law and the origins and necessity of the legal system; provides insight into the evolution and development of laws that govern business in our society; develops an understanding of how organization and operation of the legal system impact business; develops an understanding of rights and duties within the business environment; and includes contractual responsibility, protection of individual rights in legal relationships relative to warranties, product liability, secured and unsecured debts, negotiable instruments, agencies, employer-employee relations, property ownership and transfer, landlord and tenant, wills and estates, community property, social security, and taxation. (Available SY 2011-.)

### **12052A000 Business Management**

Business Management courses acquaint students with management opportunities and effective human relations. These courses provide students with the skills to perform planning, staffing, financing, and controlling functions within a business. In addition, they usually provide a macro-level study of the business world, including business structure and finance, and the interconnections among industry, government, and the global economy. The course may also emphasize problem-based, real-world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business decisions. (Available SY 2011-.)

### **12052A001 Business Management**

### **CTE Course**

Business Management courses acquaint students with management opportunities and effective human relations. These courses provide students with the skills to perform planning, staffing, financing, and controlling functions within a business. In addition, they usually provide a macro-level study of the business world, including business structure and finance, and the interconnections among industry, government, and the global economy. The course may also emphasize problem-based, real-world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business decisions. (Available SY 2015-.)

### **12098A001 Business Management Workplace Experience**

### **CTE Course**

Business Management Workplace Experience courses provide students with work experience in fields related to business management. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **12055A000 Business Principles and Management**

Business Principles and Management courses are designed to provide students with an understanding of the U.S. business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large and small. (Available SY 2011-.)

### **12055A002 Business Principles and Management**

### **CTE Course**

Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. (Available SY 2020-.)

### **12002A001 Business Technology and Procedures**

### **CTE Course**

Business Technology and Procedures is a course that prepares students for entry level employment in a technology-based office setting. Integrated software applications will be included in this course. Instruction will focus on office etiquette, office management, telephone

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and communications procedures, time management, records management, and proper business behavior and attire. Students will perform clerical duties, create, edit and correct documents, records and files, perform information processing activities (e.g. spreadsheets, database entry, desktop publishing) and prepare documents using presentation software. Students will discuss appropriate procedures for receiving visitors, patients or clients, and organize, schedule and plan meetings. In addition, students will file materials manually and electronically, make travel arrangements, perform financial activities, process mail, transmit messages electronically, and maintain office supplies and equipment. Students will organize and plan office activities, compose and distribute meeting notes and reports, answer routine correspondence, input information from voice recordings; conduct research using the intranet and/or internet, and supervise and train other employees. Students will apply proper grammar, punctuation, spelling and proofreading skills. Accuracy will be emphasized. Students will apply new skills as well as skills learned in other courses to complete a series of realistic office assignments or participate in an office workbased learning experience. Workplace skills as well as communication skills (thinking, listening, composing, revising, editing, and speaking) will be taught and integrated throughout this course. (Available SY 2011-2020.)

### **12098A002 Business, Management & Administration Workplace Experience CTE Course**

Business, Management & Administration Workplace Experience courses provide work experience in fields related to the Business, Management & Administration cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

### **12001A000 Business/Office Career Exploration**

Business/Office Career Exploration courses expose students to the occupational opportunities available in business including, but not limited to, general business, business information management, human resources management, operations management, administrative support, accounting, and marketing fields. Emphasis is placed on responsibilities, qualifications, work environments, and career paths. These courses may also include consumer education topics, keyboard exposure, and/or hands-on experience within the various occupational areas. (Available SY 2011-.)

### **62001A000 Business/Office Career Exploration (prior-to-secondary)**

Business/Office Career Exploration courses expose students to the occupational opportunities available in the accounting, administration, data processing, management, and secretarial fields.

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Emphasis is placed on responsibilities, qualifications, work environment, and career paths. These courses may also include consumer education topics, keyboard exposure, and/or hands-on experience within the various occupational areas. (Available SY 2012-2023.)

### **12201A000 Cashier/Checker Operations**

Cashier/Checker Operations courses provide students with the knowledge and skills to operate a cash register and to handle numerous transactions. Topics typically include cash register procedures; handling cash, credit, checks, food stamps, and other forms of legal tender; human relations; stocking and marking merchandise; and theft prevention. Job search and employability skills are often an integral part of the course. (Available SY 2011-.)

### **12108A000 Cost Accounting**

Cost Accounting courses introduce students to the accounting concepts of manufacturing systems. In addition to job order and process costing systems, these courses emphasize profit planning and control programs. (Available SY 2021-.)

### **12108A001 Cost Accounting**

**CTE Course**

Cost Accounting courses introduce students to the accounting concepts of manufacturing systems. In addition to job order and process costing systems, these courses emphasize profit planning and control programs. (Available SY 2021-.)

### **12998A001 Entrepreneurial Workplace Experience**

**CTE Course**

Entrepreneurial Workplace Experience courses provide students with work experience in fields related to entrepreneurship. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)



## **12053A000 Entrepreneurship**

Entrepreneurship courses help students develop the knowledge and skills necessary to own and operate their own businesses. The course content typically covers topics from a number of fields: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, communication, information management, risk management, and strategic management. Several topics surveyed in Business Management courses may also be included. (Available SY 2011-.)

## **12053A001 Entrepreneurship**

### **CTE Course**

Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included. (Available SY 2011-.)

## **12153A001 Fashion Merchandising**

### **CTE Course**

Fashion Merchandising focuses on the application of research techniques to understand the cultural, environmental, and psychological aspects of textile products as related to the customer needs. This course develops skills to research and apply knowledge of a product for the textile and design industry through hands-on, problem based learning experiences and projects. Topics include: product knowledge and promotion; industry trends and style; industry specific terminology; marketing campaigns; current technology; and visual merchandising displays. Emphasis is placed on the development of a variety of communication techniques necessary in the promotion of products and the formation of client relationships. (Available SY 2011-.)

## **12103A000 Finance**

Finance courses are similar to Banking and Finance courses, but they focus specifically on finance, addressing how businesses raise, distribute, and use financial resources while managing risk. Course content typically involves modeling financial decisions (such as borrowing, selling equity or stock, lending or investing) typically undertaken by businesses. (Available SY 2011-.)

## **12103A001 Finance**

### **CTE Course**

Finance courses are similar to Banking and Finance courses, but they focus specifically on finance, addressing how businesses raise, distribute, and use financial resources while managing

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risk. Course content typically involves modeling financial decisions (such as borrowing, selling equity or stock, lending or investing) typically undertaken by businesses. (Available SY 2020-.)

### **62147A000 Finance – Independent Study**

Finance-Independent Study courses, often conducted with instructors as mentors, enable students to explore business finance-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **12148A003 Finance Cluster Workplace Experience**

### **CTE Course**

Finance Cluster Workplace Experience courses provide work experience in fields related to the Finance cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

### **12148A001 Finance Workplace Experience**

### **CTE Course**

Finance Workplace Experience courses provide students with work experience in fields related to finance. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **12147A000 Finance—Independent Study**

Finance—Independent Study courses, often conducted with instructors as mentors, enable students to explore business finance-related topics of interest. Independent Study courses may

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serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **12149A000 Finance—Other**

Other Finances courses. (Available SY 2011-.)

### **12148A000 Finance—Workplace Experience**

Finance—Workplace Experience courses provide students with work experience in fields related to finance. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **12111A001 Financial Accounting**

**CTE Course**

Financial Accounting courses introduce students to the principles and concepts of financial accounting that produces summary financial statements primarily for users external to a business. Topics include preparation, interpretation, and analyses of financial records and statements; the accounting cycle; current and long-term liabilities and owners' equity; and the accounting of assets. (Available SY 2022-.)

### **12159A001 Hospitality & Tourism Marketing**

**CTE Course**

Marketing—Hospitality/Tourism courses typically cover the same scope of topics as Marketing—Comprehensive courses (purchasing and distribution systems, advertising, display and sales, management, entrepreneurship, and so on) but do so with particular attention to the travel, tourism, and lodging industry. In keeping with the focus on this field, topics include the unique characteristics and functions of travel services and hotel/motel operations. (Available SY 2019-.)

### **12057A000 Human Resources and Labor Relations**

Human Resources and Labor Relations courses focus on the managing of human resources essential to effective business operations. These courses cover such topics as the history of the labor movement in the United States, the nature of collective bargaining and conflict resolution in a unionized environment, and effective relationships between the employees of a business and the management. (Available SY 2011-.)

### **12058A000 Human Resources Management**

Human Resources Management courses provide students with an understanding of and skills in the effective use of leadership, management, communications, and interpersonal skills in achieving the goals of an organization. (Available SY 2011-.)

### **12058A001 Human Resources Management**

**CTE Course**

Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals of an organization. (Available SY 2019-.)

### **12048A001 Human Resources Workplace Experience**

**CTE Course**

Human Resources Workplace Experience courses provide students with work experience in fields related to human resources. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **12059A000 IB Business Management**

**IB Course**

IB Business Management courses prepare students to take the International Baccalaureate Business and Management exams. IB Business Management courses explore business decision-making processes and their relationship to internal and external environments. Course content includes business organization and environment, human resources, accounts and finance, marketing, and operations management. (Available SY 2011-.)

### **12109A000 Income Tax Accounting**

Income Tax Accounting courses introduce students to and expand their knowledge of the fundamental accounting principles and procedures used in businesses through integrating and using accounting-related software and information systems. These courses focus on federal, state, and local business tax laws; business tax accounting methods; and the preparation of business tax forms. (Available SY 2021-.)

### **12109A001 Income Tax Accounting**

**CTE Course**

Income Tax Accounting courses introduce students to and expand their knowledge of the fundamental accounting principles and procedures used in businesses through integrating and using accounting-related software and information systems. These courses focus on federal, state, and local business tax laws; business tax accounting methods; and the preparation of business tax forms. (Available SY 2021-.)

### **12056A000 International Business and Marketing**

International Business and Marketing courses examine business management and administration in a global economy. Topics covered in this course typically include the principles and processes of export sales, trade controls, foreign operations and related problems, monetary issues, international business and policy, and applications of doing business in specific countries and markets. (Available SY 2011-.)

### **12056A001 International Business and Marketing**

**CTE Course**

International Business and Marketing courses examine business management and administration in a global economy. Topics covered in this course typically include the principles and processes of export sales, trade controls, foreign operations and related problems, monetary issues, international business and policy, and applications of doing business in specific countries and markets. (Available SY 2019-.)

### **12162A000 Internet Marketing**

Internet Marketing covers the principles and functions of marketing from the standpoint of conducting business on the internet. Typically, students develop such skills as using the internet as a marketing tool, conducting a marketing analysis via the internet, planning marketing support activities, managing an electronic marketing campaign, managing/owning a business via the internet, and analyzing the impact of the internet on global marketing. (Available SY 2011-.)

### **12051A000 Introductory Business**

Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the U.S. economic system, small businesses, and corporate organizations. Introductory Business courses may also expose students to the varied opportunities in administration, accounting, management, and related fields. (Available SY 2011-.)

### **12051A001 Introductory Business**

**CTE Course**

Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial, accounting, management, and related fields. (Available SY 2017-.)

### **62051A000 Introductory Business (prior-to-secondary)**

Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial, accounting, management, and related fields. (Available SY 2012-2023.)

### **12005A000 Keyboarding**

Keyboarding courses provide students with an introduction to the keyboard (letters, numbers, and symbols), basic machine operation, and proper keystroke technique. As students progress, they improve their speed and accuracy and produce increasingly complex documents. Such courses help students develop keyboard proficiency, document production skills, and problem-solving skills. (Available SY 2011-.)

### **62005A000 Keyboarding (prior-to-secondary)**

Keyboarding courses provide an introduction to the keyboard (letters, numbers, and symbols), basic machine operation, and proper keystroke technique. As students progress, they improve their speed and accuracy and produce increasingly complex documents. Such courses help students develop keyboard proficiency, document production skills, and problem-solving skills. (Available SY 2012-2023.)

### **12005A001 Keyboarding and Formatting**

**CTE Course**

Keyboarding and Formatting is a course designed to develop basic skills in touch keyboarding techniques for entering alphabetic, numeric, and symbol information found on computers and terminals. Students will learn to edit and format text and paragraphs, change fonts, work with headers and footers, cut and paste text, create and use tab keys, create labels, and work with

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multiple windows. Students will format documents such as letters, envelopes, memorandums, reports, and tables for personal, educational, and business uses. During the second half of the course, major emphasis is placed on formatting documents, improving proofreading skills, and increasing speed and accuracy. (Available SY 2011-.)

### **62097A000 Management – Independent Study**

Management-Independent Study courses, often conducted with instructors as mentors, enable students to explore business management-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **12097A000 Management—Independent Study**

Management—Independent Study courses, often conducted with instructors as mentors, enable students to explore business management-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **12099A000 Management—Other**

Other Management courses. (Available SY 2011-.)

### **12098A000 Management—Workplace Experience**

Management—Workplace Experience courses provide students with work experience in fields related to business management. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **62152A000 Marketing – Comprehensive**

Marketing-Comprehensive courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics may include market research, the purchasing process, distribution systems, salesmanship, sales promotions, shoplifting and theft control, business management, and entrepreneurship. (Available SY 2012-2023.)

### **62197A000 Marketing – Independent Study**

Marketing-Independent Study courses, often conducted with instructors as mentors, enable students to explore marketing-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **12168A000 Marketing —Commodities**

Marketing —Commodities courses investigate the meaning and methods of marketing as related to agricultural commodities, products and services, and agricultural goods in domestic and international markets. Topics typically include appropriate market research; benefit/cost analysis of marketing; and methods of targeted agricultural marketing in domestic and international markets. (Available SY 2021-.)

### **12151A000 Marketing Career Exploration**

Marketing Career Exploration courses expose students to the opportunities available in retail, wholesale, advertising, and other occupational fields using marketing principles. (Available SY 2011-.)

### **62151A000 Marketing Career Exploration (prior-to-secondary)**

Marketing Career Exploration courses expose students to the opportunities available in retail, wholesale, advertising, and other occupational fields using marketing principles. (Available SY 2012-2023.)

### **12198A002 Marketing Cluster Workplace Experience**

**CTE Course**

Marketing Workplace Experience courses provide work experience in fields related to the Marketing cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)



## **12166A000 Marketing Management**

Marketing Management courses typically cover the same scope of topics as Marketing—Comprehensive courses (purchasing and distribution systems; advertising and sales; and so on) but place a particular emphasis on business management and entrepreneurship, providing exposure to common techniques and problems of management. (Available SY 2011-.)

## **12198A001 Marketing Workplace Experience**

**CTE Course**

Marketing Workplace Experience courses provide students with work experience in fields related to marketing. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

## **12152A000 Marketing—Comprehensive**

Marketing—Comprehensive courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics may include, but are not limited to, market research, the purchasing process, distribution systems, warehouse and inventory control, salesmanship, sales promotions, shoplifting and theft control, business management, and entrepreneurship. Human relations, computers, and economics are sometimes covered as well. (Available SY 2011-.)

## **12153A000 Marketing—Fashion**

Marketing—Fashion courses typically address basic knowledge of the apparel and accessories industry and the skills necessary for successful employment in apparel and accessory businesses. Students develop general marketing skills necessary for successful employment in fashion marketing, general marketing skills applicable to the apparel and accessories industry, and specialized skills unique to fashion marketing. Personal selling, sales promotion, purchasing, physical distribution, market planning, existing and emerging technology, and product/service management are usually included. (Available SY 2011-.)

### **12158A000 Marketing—Floristry**

Marketing—Floristry courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer in the floral industry. Topics may include purchasing and distribution systems, advertising, display and sales, management, and entrepreneurship. Emphasis may be placed on the unique characteristics and functions of retail and wholesale floral operations. (Available SY 2011-.)

### **12156A000 Marketing—Food/Beverage Industry**

Marketing—Food/Beverage Industry courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer in the food and beverage industry. Topics may include purchasing and distribution systems, advertising, display and sales, management, and entrepreneurship. Emphasis may be placed on the unique characteristics and functions of the food and beverage service industry. (Available SY 2011-.)

### **12159A000 Marketing—Hospitality/Tourism**

Marketing—Hospitality/Tourism courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer in the travel, tourism, and lodging industries. Topics may include purchasing and distribution systems, advertising, display and sales, management, and entrepreneurship. Emphasis may be placed on the unique characteristics and functions of travel services and hotel/motel operations. (Available SY 2011-.)

### **12197A000 Marketing—Independent Study**

Marketing—Independent Study courses, often conducted with instructors as mentors, enable students to explore marketing-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **12157A000 Marketing—Insurance**

Marketing—Insurance courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer in the insurance industry. Topics may include purchasing and distribution systems, advertising, display and sales, management, and entrepreneurship. Emphasis may be placed on various categories of insurance including accident, health, life, marine, automobile, and causality insurance. (Available SY 2011-.)

### **12160A000 Marketing—Merchandising**

Marketing—Merchandising courses address marketing in a retail/e-tail environment focusing on the buying and merchandising of products. Content includes, but is not limited to, marketing information management (including marketing research), market planning, channel management, sales, promotion, product/service management, and pricing. (Available SY 2011-.)

### **12199A000 Marketing—Other**

Other Marketing courses. (Available SY 2011-.)

### **12167A000 Marketing—Other Specialization**

Marketing—Other Specialization courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer with attention to a particular industry not specified above. Topics may include purchasing and distribution systems, promotion, advertising, display and sales, financing, management, entrepreneurship, market research, pricing, global marketing, human relations, economics, and emerging technologies. These courses may also cover specific topics related to the particular industry being covered. (Available SY 2011-.)

### **12154A000 Marketing—Real Estate**

Marketing—Real Estate courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer in the real estate industry. Topics may include purchasing, advertising, sales, human relations, management, and entrepreneurship but with particular attention to the real estate industry. Emphasis may be placed on financing, investment, ownership rights, ethics, and other real estate principles. (Available SY 2011-.)

### **12155A000 Marketing—Transportation**

Marketing—Transportation courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer in the transportation industry. Topics may include purchasing and distribution systems, advertising, display and sales, management, and entrepreneurship with particular attention to the transportation industry. Emphasis may be placed on the identification and proper use of auto parts and accessories and the sales and service of new and used cars, vans, trucks, and related parts. (Available SY 2011-.)

### **12198A000 Marketing—Workplace Experience**

Marketing—Workplace Experience courses provide students with work experience in fields related to marketing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **12003A000 Office and Administrative Technologies**

Office and Administrative Technologies courses provide students with instruction and experience in developing technical, problem-solving, and decision-making skills essential for office and/or administrative occupations. Emphasis is placed on integrating and applying knowledge and skills to realistic office and administrative situations utilizing current and relevant technology. (Available SY 2011-.)

### **12002A000 Office Procedures—Comprehensive**

Office Procedures—Comprehensive courses provide students with numerous opportunities to explore and understand the responsibilities and duties common to most office personnel. These comprehensive courses cover such topics as communication skills, project management, reception skills, technologies for distance communications, filing and record management, mail handling, scheduling meetings and conferences, creating itineraries, and word processing. (Available SY 2011-.)

### **12004A000 Office Services**

Office Services courses introduce students to and help them refine their clerical and office assistant skills. Course content typically covers filing, telephone, and keyboarding skills; reprographic machinery and procedures; communications skills; and so on. (Available SY 2011-.)

### **12008A001 Organizational Behavior**

**CTE Course**

Organizational Behavior courses provide students with and introduction to explores factors that influence the way members of an organization behave. Topics include reactions of people to individual and cultural differences, perceptions, attitudes, emotions, learning and reinforcement, managing diversity, decision-making, relationship management, performance, group/team relationships, leadership, structure and control, problems of motivation and performance, conflict and negotiations. (Available SY 2023-.)

### **12111A000 Particular Topics in Accounting**

These courses examine particular topics, such as auditing or non-profit accounting, rather than provide a general overview. (Available SY 2021-.)

### **12008A000 Particular Topics in Administration**

These courses examine specific topics related to business administration not otherwise described, such as a focus on dictation or office machinery, rather than provide a general study of office administration principles and techniques. (Available SY 2011-.)

### **62008A000 Particular Topics in Administration (prior-to-secondary)**

These courses examine specific topics related to business administration not otherwise described, such as a focus on dictation or office machinery, rather than provide a general study of office administration principles and techniques. (Available SY 2012-2023.)

### **12110A000 Payroll Accounting**

Payroll Accounting courses introduce students to and expand their knowledge of the fundamental accounting principles and procedures related to payroll transactions for businesses. These courses typically emphasize computing wages, social security taxes, income tax withholding, unemployment taxes, and recording payroll transactions while providing students with experience in preparing all the necessary monthly, quarterly, and annual reports. (Available SY 2021-.)

### **12110A001 Payroll Accounting**

**CTE Course**

Payroll Accounting courses introduce students to and expand their knowledge of the fundamental accounting principles and procedures related to payroll transactions for businesses. These courses typically emphasize computing wages, social security taxes, income tax withholding, unemployment taxes, and recording payroll transactions while providing students with experience in preparing all the necessary monthly, quarterly, and annual reports. (Available SY 2021-.)

### **12165A000 Principles of Advertising**

Principles of Advertising courses expose students to the varied concepts underlying the promotion of products. The topics included in Principles of Advertising courses range considerably, but typically include the psychology of advertising, a study of various media,

advertising planning and budgeting, and advertising layout and design principles. Course topics may also include an overview of commercial art and packaging. (Available SY 2011-.)

### **12164A000 Principles of Marketing**

Principles of Marketing courses offer students insight into the processes affecting the flow of goods and services from the producer to the consumer. Course content ranges considerably as general marketing principles such as purchasing, distribution, and sales are covered; however, a major emphasis is often placed on kinds of markets; market identification; product planning, packaging, and pricing; and business management. (Available SY 2011-.)

### **12202A000 Principles of Selling**

Principles of Selling courses provide students with the knowledge and opportunity to develop indepth sales competencies. Course content typically includes types of selling, steps in a sale, sales strategies, and interpersonal skills and techniques. (Available SY 2011-.)

### **12202A001 Principles of Selling**

**CTE Course**

Principles of Selling courses provide students with the knowledge and opportunity to develop in-depth sales competencies. Course content typically includes types of selling, steps in a sale, sales strategies, and interpersonal skills and techniques. (Available SY 2022-.)

### **12164A001 Product-Oriented Marketing**

**CTE Course**

Principles of Marketing courses offer students insight into the processes affecting the flow of goods and services from the producer to the consumer. Course content ranges considerably as general marketing principles such as purchasing, distribution, and sales are covered; however, a major emphasis is often placed on kinds of markets; market identification; product planning, packaging, and pricing; and business management. (Available SY 2011-2020.)

### **12167A001 Product-Oriented Marketing**

**CTE Course**

Product-Oriented Marketing courses offer students insight into the processes affecting the flow of goods and services from the producer to the consumer. Course content ranges considerably as general marketing principles such as purchasing, distribution, and sales are covered; however, a major emphasis is often placed on kinds of markets; market identification; product planning, packaging, and pricing; and business management. (Available SY 2021-.)

**12154A001 Real Estate****CTE Course**

Real Estate courses are designed to prepare students for a career in real estate and for the licensing exam. In compliance with Section 5-27(a)(5) of the Real Estate License Act of 2000, the course must include 75 hours of instruction in real estate including at least 15 hours of situational and case studies presented in the classroom or by live, interactive webinar or online distance education. Topics should include principles of real property law, interests, and forms of ownership; contract agreements; taxes; property management, financing; appraisal; licensing requirements and structure; agency law; legal issues in real estate brokerage; required disclosures; brokerage agreement facts and practices; comparative market analysis; and any additional content as defined by the IDFPR. Content must be taught by an IDFPR-approved real estate education provider and instructor. (Available SY 2022-.)

**12198A003 Real Estate Workplace Experience****CTE Course**

Real Estate Workplace Experience Courses provide students with work experience in fields related to real estate. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2023-.)

**12007A000 Recordkeeping**

Recordkeeping courses help students develop knowledge and skills related to the principles and procedures involved in recording personal financial transactions as well as transactions typically undertaken by small businesses. Emphasis may be placed on software packages for accounting, database management, personal banking, budgeting, and income tax calculations. Additional emphasis is usually placed on cashier and clerk procedures, inventory control for small businesses, database management, merchandising, and payroll. (Available SY 2011-.)

**12007A001 Recordkeeping****CTE Course**

Develops understanding of and skill in maintaining accurate records; includes skills used in everyday business activities both for personal and professional use; provides an opportunity to develop skills related to personal financial management as well as budgeting, financial planning, cashier's records, handling of money, and tasks common to simple office practices. (Available SY 2011-.)

### **12161A000 Retail Marketing**

Retail Marketing courses cover marketing principles and concepts related to the provision of goods or services directly to the consumer, emphasizing store operation, advertisement and display of goods, store security, human relations, and business management and ownership. (Available SY 2011-.)

### **12106A000 Risk Management and Insurance**

Risk Management and Insurance courses provide information about various risk management tools and techniques and may cover the perspective of insurance professionals and business owners. These courses may emphasize the specific uses, costs, and effectiveness of insurance products. (Available SY 2011-.)

### **12247A000 Sales—Independent Study**

Sales—Independent Study courses, often conducted with instructors as mentors, enable students to explore sales-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **12249A000 Sales—Other**

Other Sales courses. (Available SY 2011-.)

### **12248A000 Sales—Workplace Experience**

Sales—Workplace Experience courses provide students with work experience in fields related to sales. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **12107A000 Securities and Investments**

Formerly known as Investing, Securities and Investments courses emphasize the formulation of business and individual investment decisions by comparing and contrasting the investment qualities of cash, stock, bonds, and mutual funds. Students typically review annual reports, predict



growth rates, and analyze trends. Stock market simulations are often incorporated into these courses. (Available SY 2011-.)

**12055A001 Service-Oriented Marketing**

**CTE Course**

This course explores the basic principles of marketing such as the creation of concepts, strategies, and the development of marketing plans. Students learn about the components of the marketing mix, target marketing, sponsorship, event marketing, promotions, proposals, and execution of planning. This course emphasizes strong decision-making, critical thinking, and collaborative skills to complete group marketing projects throughout the semester. Students will be challenged to create new marketing ideas as they analyze current marketing trends. Students will also explore the legal aspects of these industries. Real life projects allow students to demonstrate their understanding of these areas. This course will examine the impact of marketing in our everyday lives, as well as teach many critical business concepts to ready students for a career in the area of marketing. (Available SY 2011-2020.)

**12167A002 Service-Oriented Marketing**

**CTE Course**

This course explores the basic principles of marketing such as the creation of concepts, strategies, and the development of marketing plans. Students learn about the components of the marketing mix, target marketing, sponsorship, event marketing, promotions, proposals, and execution of planning. This course emphasizes strong decision-making, critical thinking, and collaborative skills to complete group marketing projects throughout the semester. Students will be challenged to create new marketing ideas as they analyze current marketing trends. Students will also explore the legal aspects of these industries. Real life projects allow students to demonstrate their understanding of these areas. This course will examine the impact of marketing in our everyday lives, as well as teach many critical business concepts to ready students for a career in the area of marketing. (Available SY 2021-.)

**12169A000 Social Media Marketing**

Social Media Marketing courses address social media as a marketing tool and emphasize social media tools, social media messages, and search engine optimization. Topics may include, but are not limited to, marketing information management (including marketing research), market planning, channel management, sales, promotion, product/service management, and pricing. (Available SY 2021-.)

**12169A001 Social Media Marketing**

**CTE Course**

Social Media Marketing courses address social media as a marketing tool and emphasize social media tools, social media messages, and search engine optimization. Topics may include, but are not limited to, marketing information management (including marketing research), market

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planning, channel management, sales, promotion, product/service management, and pricing.  
(Available SY 2021-.)

### **12162A001 Social Media Marketing**

**CTE Course**

Social Media Marketing courses address social media as a marketing tool and emphasize social media tools, social media messages, and search engine optimization. Topics may include, but are not limited to, marketing information management (including marketing research), market planning, channel management, sales, promotion, product/service management, and pricing. (Available SY 2019-.)

### **12163A000 Sports and Entertainment Marketing**

Sports and Entertainment Marketing courses provide students with a thorough understanding of fundamental marketing and management concepts and theories as they relate to the sports and entertainment industries. Content may address promotion of sports/events, licensing, sponsorship and endorsements, branding, marketing research, product development, pricing and distribution strategies, sales, event planning, and the role of existing and emerging technologies. These courses may also encourage students to develop job skills and explore career options. (Available SY 2011-.)

### **12163A001 Sports and Entertainment Marketing**

**CTE Course**

Sports and Entertainment Marketing courses introduce students to and help them refine marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, and the sales or rental of supplies and equipment. (Available SY 2019-.)

### **12006A000 Word Processing**

Word Processing courses introduce students to automated document production using one or more software packages. These courses may introduce keyboarding techniques or may require prior experience. A parallel focus is placed on the use of software commands and functions to create, edit, format, and manipulate documents, capitalizing on the power offered by word processing software programs. These courses may also cover file and disk management and other computer-related skills. (Available SY 2011-.)

### **62006A000 Word Processing (prior-to-secondary)**

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Word Processing courses introduce students to automated document production using one or more software packages. These courses may introduce keyboarding techniques or may require prior experience; in either case, speed and accuracy are emphasized. A parallel focus is placed on the use of software commands and functions to create, edit, format, and manipulate documents, capitalizing on the power offered by word- processing software programs. These courses may also cover file and disk management and other computer- related skills. (Available SY 2012-2023.)

## **13 Manufacturing**

### **13301A000 Appliance Repair**

Appliance Repair courses provide students with the knowledge and experience to repair, install, service, and inspect appliances such as stoves, refrigerators, washers, dryers, air conditioners, water heaters, and so on. Students gain an understanding of the mechanics and working systems of these appliances, the skills to read blueprints and specifications, and proficiency in using related tools and products. (Available SY 2011-.)

### **13203A007 Beginning Machining**

**CTE Course**

Beginning Machining course enable students to create metal parts using various machine tools and equipment. Course content may include interpreting specifications for machines using blueprints, sketches, or descriptions of parts; preparing and using lathes, milling machines, shapers, and grinders with skill, safety, and precision. (Available SY 2012-.)

### **13207A003 Beginning Welding**

**CTE Course**

Beginning Welding course enables students to gain knowledge of the properties, uses, and applications of various metals, skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, metal inert gas, and tungsten arc processes), and experience in identifying, selecting, and rating appropriate techniques. Welding courses often include instruction in interpreting blueprints or other types of specifications. (Available SY 2012-.)

### **13098A001 Cabinetmaking Workplace Experience**

**CTE Course**

Cabinetmaking Workplace Experience courses provide students with work experience in fields related to manufacturing processing and production. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **13057A000 Ceramic Processing/Production**

Ceramic Processing/Production courses allow students to study the physical and chemical properties of ceramics and heat-resistant composites and to use these materials to construct usable products according to industry standards. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines. (Available SY 2011-.)

### **13348A001 Computer Installation and Repair Workplace Experience**

**CTE Course**

Computer Installation and Repair Workplace Experience courses provide students with work experience in the fields involving repair, supported by classroom attendance and discussion. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **13102A000 Electro-Mechanical Systems**

Electro-Mechanical Systems courses provide students with instruction and experience in components and equipment used within a manufacturing environment powered by electricity and physical forces. Students gain an understanding of basic and industrial electricity, industrial electronics, and the automated systems used in the manufacturing process or within manufactured goods. (Available SY 2011-.)

### **13302A000 Equipment Maintenance and Repair**

Equipment Maintenance and Repair courses prepare students to adjust, maintain, replace, and repair parts of machinery and to repair tools, equipment, and machines. The courses may have a general emphasis or may focus on a specific type of machinery or equipment related to a particular industry. Depending upon the intent, course topics may include electric, hydraulic, pneumatic, or mechanic systems; programmable logic and motor control devices, valves, and gates; or supplemental equipment such as fans, hoses, and pipes. (Available SY 2011-.)

### **13001A000 Exploration of Manufacturing Occupations**

Exploration of Manufacturing Occupations courses introduce and expose students to the career opportunities pertaining to the processing and production of goods. Course topics vary and may

include (but are not limited to) systems pertinent to the manufacturing process, properties of various raw materials, and the methods used to transform materials into consumer products. Course activities depend upon the careers being explored; course topics may include entrepreneurship, labor laws, economic impact, and customer service. (Available SY 2011-.)

### **13001A001 Exploration of Manufacturing Occupations**

**CTE Course**

Exploration of Manufacturing Occupations courses introduce and expose students to the career opportunities pertaining to the processing and production of goods. Course topics vary and may include (but are not limited to) systems pertinent to the manufacturing process, properties of various raw materials, and the methods used to transform materials into consumer products. Course activities depend upon the careers being explored; course topics may include entrepreneurship, labor laws, and customer service. (Available SY 2019-.)

### **63001A000 Exploration of Manufacturing Occupations (prior-to-secondary)**

Exploration of Manufacturing Occupations courses introduce and expose students to career opportunities pertaining to the processing and production of goods. Course topics vary and may include (but are not limited to) systems pertinent to the manufacturing process, properties of various raw materials, and the methods used to transform materials into consumer products. Course activities depend upon the careers being explored; course topics may include entrepreneurship, labor laws, and customer service. (Available SY 2012-2023.)

### **13003A000 Industrial Arts**

Industrial Arts courses expose students to the tools and equipment that they may encounter in manufacturing-related occupations and enable them to develop the skills they need to use these tools in various applications. Course topics typically include (but are not limited to) planning and design, electricity and electronics, materials properties and testing, basic materials processing, and power technology. These courses typically cover general safety and career exploration as well. (Available SY 2011-.)

### **63003A000 Industrial Arts (prior-to-secondary)**

Industrial Arts courses expose students to the tools and machines that they may encounter in manufacturing-related occupations and enable them to develop the skills they need to use these tools in various applications. Course topics typically include (but are not limited to) drawing and planning, electricity, graphic arts, woodworking, leatherwork, metalwork, plastics, and power technology. These courses typically cover general safety and career exploration as well. (Available SY 2012-2023.)

### **13998A001 Industrial Electronics Workplace Experience**

**CTE Course**

Industrial Electronics Workplace Experience courses provide students with work experience in fields involving manufacturing, supported by classroom attendance and discussion. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **13303A000 Industrial Maintenance**

Industrial Maintenance courses introduce students to the care and maintenance of a wide range of industrial equipment, including chain and gear drives, couplings, and fluid power equipment. Course topics may include lubricants and lubrication, the replacement of seals and bearings, and the correct application and selection of hand and power tools. Advanced courses may emphasize motor alignment using laser alignment, milling operations, turning operations, welding, technical drawings, and quality control. (Available SY 2021-.)

### **13302A001 Industrial Maintenance I**

**CTE Course**

This course is intended to provide students with planned learning experiences and activities that include safety, basic hand and power tools, mathematics, precision measurement, blueprint reading, introduction to electricity, basic carpentry, scaffolding and rigging, and basic welding and cutting. In addition, students are introduced to robotics and other automated manufacturing procedures. (Available SY 2011-.)

### **13302A002 Industrial Maintenance II**

**CTE Course**

This course builds on the skills and concepts introduced in Industrial Maintenance I. This course provides planned learning experiences and activities in safety, advanced mathematics, precision measurement, and blueprint reading. The program also includes instruction in preventative maintenance, automated control systems, automated manufacturing, hydraulic/pneumatic equipment, metal lathe operations, drill press and metal sawing operations, rotating equipment, pipe fitting, and insulation. (Available SY 2011-.)

### **13004A000 Industrial Safety/First Aid**

Industrial Safety/First Aid courses immerse students in the study of safe operating procedures related to various industrial environments, as well as more general training in emergency first aid and CPR. Course topics may include the importance of standard operation procedures, appropriate use of equipment, agencies and regulations related to occupational safety and hazard prevention, and the dangers of particular materials. (Available SY 2011-.)

### **13203A005 Machine Shop Technology I**

**CTE Course**

This course introduces students to the basic mechanical and technical skills common to most fields in the fabrication of metal parts in support of other manufacturing activities. Topics include shop safety, hand and power tool use, the operation and maintenance of precision metal working equipment, precision measurement, quality control, exploring the manufacturing process, instrumentation and blueprint reading. (Available SY 2011-.)

### **13203A006 Machine Shop Technology II**

**CTE Course**

This course builds on the skills and concepts introduced in Machine Shop Technology I. Additional skill-building activities include automated manufacturing, the use of end mills, surface grinders, drill presses, and basic welding procedures. (Available SY 2011-.)

### **13148A001 Machine Tool Technology Workplace Experience**

**CTE Course**

Machine Tool Technology Workplace Experience courses provide students with work experience in fields related to manufacturing systems and/or research. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **13203A001 Machine Tool Technology/Machinist I**

**CTE Course**

This course introduces students to the basic skills and machines needed in precision metal work. Students gain machining skills while working with lathes, milling machines, surface grinders, drill presses, and other equipment. In addition, students learn the basics of blueprint reading, precision measuring, layout, and machining process planning. (Available SY 2011-.)



### **13203A002 Machine Tool Technology/Machinist II**

**CTE Course**

This course provides more in-depth skill development in various types of precision tool operation, especially using mills, lathes, and surface grinders to perform machining tasks. Power cutoff saws and power band saws are also covered. Students also explore the use of computer and numerical controlled machining. (Available SY 2011-.)

### **13203A000 Machining**

Machining courses enable students to design and manufacture metal parts using various machine tools and equipment. Course content may include interpreting specifications using blueprints; preparing and using manual and computer numerical controlled (CNC) lathes and milling machines, shapers, and grinders with skill, safety, and precision; maintenance; developing part specifications; and selecting appropriate materials. Advanced course topics may include quality control; statistical process control; and application of measurements, metalworking theory, and properties of materials. Courses may prepare students for industry certification. (Available SY 2011-.)

### **63997A000 Manufacturing – Independent Study**

Manufacturing-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to manufacturing. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **63999A000 Manufacturing – Other**

(Available SY 2012-2023.)

### **13998A002 Manufacturing Workplace Experience**

**CTE Course**

Manufacturing Workplace Experience courses provide work experience in fields related to the Manufacturing cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship

programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

### **13995A000 Manufacturing—Aide**

Manufacturing—Aide courses offer interested students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

### **13002A000 Manufacturing—Comprehensive**

Manufacturing—Comprehensive courses introduce students to the various methods used to process and transform materials. Processing techniques covered usually include casting, forming, separating, assembling, and finishing. The courses may also include an overview of management techniques in planning, organizing, and controlling various segments of the manufacturing process, including design, automation, engineering, production, and marketing. (Available SY 2011-.)

### **13997A000 Manufacturing—Independent Study**

Manufacturing—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to manufacturing. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **13999A000 Manufacturing—Other**

Other Manufacturing courses. (Available SY 2011-.)

### **13998A000 Manufacturing—Workplace Experience**

Manufacturing—Workplace Experience courses provide students with work experience in fields involving manufacturing, supported by classroom attendance and discussion. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **13052A000 Material and Processes**

Material and Processes courses expose students to the tools, equipment, and processes that may be encountered in manufacturing-related occupations. In particular, these courses stress the analysis, testing, and processing of metals, plastics, woods, ceramics, and composite materials. (Available SY 2011-.)

### **63052A000 Material and Processes (prior-to-secondary)**

Materials and Processes courses expose students to the tools, machines, and processes that may be encountered in manufacturing-related occupations. In particular, these courses emphasize the analysis, testing, and processing of metals, plastics, woods, ceramics, and composite materials. (Available SY 2012-2023.)

### **13102A001 Mechatronics**

**CTE Course**

Electro-Mechanical Systems courses provide students with instruction and experience in components and equipment that use electricity and the power of physical forces. Students gain an understanding of the principles of electricity and mechanics and their application to gears, including hydraulic/pneumatic equipment, cams, levers, circuits, and other devices used in the manufacturing process or within manufactured goods. (Available SY 2011-.)

### **13053A000 Metal and Wood Processing/Production**

Metal and Wood Processing/Production courses allow students to study the physical and chemical properties of metals, woods, and composites and to use these materials to construct usable products according to industry standards. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines. (Available SY 2011-.)

### **13055A000 Metal Processing/Production**

Metal Processing/Production courses allow students to study the physical and chemical properties of metals and metal alloys and to use these materials to construct usable products according to industry standards. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines. (Available SY 2011-.)

### **13201A000 Metalwork Occupations**

Metalwork Occupations courses introduce and expose students to the theoretical principles and career opportunities pertaining to planning, manufacturing, assembling, testing, and repairing of parts, mechanisms, and structures in which materials are cast, formed, treated, cut, fused, or otherwise processed in some fashion. (Available SY 2011-.)

### **13247A000 Metalwork—Independent Study**

Metalwork—Independent Study courses, often conducted with instructors as mentors, enable students to explore metalwork-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **13249A000 Metalwork—Other**

Other Metalwork courses. (Available SY 2011-.)

### **13248A000 Metalwork—Workplace Experience**

Metalwork—Workplace Experience courses provide students with work experience in the welding, machine technologies, or metalwork fields. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **13202A000 Metalworking**

Metalworking courses introduce students to the physical and chemical properties of various metals and the tools and equipment used to manipulate metal and form it into products. Students will develop planning, layout, and measurement skills; gain experience in cutting, bending, forging, casting, and/or welding metal; complete projects according to blueprints or other specifications; and may also learn how to polish and finish metals. Correct use of metalworking tools and equipment is stressed. (Available SY 2011-.)

### **13004A001 Occupational Safety**

**CTE Course**

Occupational Safety courses provide students with instruction in safe operating procedures related to various trades. Course topics may include the importance of standard operation procedures, agencies and regulations related to occupational safety and hazard prevention, and

the dangers of particular materials. Course topics and materials should be relevant to the relevant industries and careers within the program(s) offered. (Available SY 2021-.)

### **13204A000 Particular Topics in Machining**

These courses examine specific topics related to machining, emphasizing a particular type of machine, tool, or procedure, or concentrating on a particular application of machining techniques. (Available SY 2011-.)

### **13209A000 Particular Topics in Metalwork**

In these courses students gain knowledge and skills in particular aspects of metalwork (such as foundry work or metallurgy) not otherwise described elsewhere in this classification system. (Available SY 2011-.)

### **13058A000 Particular Topics in Processing and Production**

These courses examine specific topics in processing and production, such as substance analysis, other than those already described elsewhere in this classification system. (Available SY 2011-.)

### **13206A000 Particular Topics in Sheet Metal**

In these courses students gain knowledge and skills in particular aspects of sheet metal. Examples include individual courses in radial line development, triangulation fabrication, and so on. (Available SY 2011-.)

### **13208A000 Particular Topics in Welding**

In these courses students gain knowledge and skills in particular aspects of welding. Examples include individual courses in each of the following types of welding: gas metal, gas tungsten, and shielded metal and flux core arc welding. (Available SY 2011-.)

### **13056A000 Plastics Processing/Production**

Plastics Processing/Production courses allow students to study the physical and chemical properties of plastics and composites and to use these materials to construct usable products according to industry standards. These courses enable students to experience the process of

translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines. (Available SY 2011-.)

### **13055A001 Precision Metal Production I**

**CTE Course**

This course offers a planned sequence of learning experiences which provide students with the opportunities to develop competencies needed for employment in a variety of manufacturing-related occupations. This course introduces students to the skills common to many occupations, such as applying safety practices, selecting materials, performing bench work operations, performing precision measurement, performing layouts, performing housekeeping and recordkeeping activities, and operating a variety of tools used for separating, forming, and combining materials. (Available SY 2011-.)

### **13055A002 Precision Metal Production II**

**CTE Course**

This course is a continuation of Precision Metal Production I and builds on the skills introduced in that course. This course begins to offer students the opportunity to specialize in specific areas of manufacturing such as machine tool set-up and operation, welding, quality control, automated machine set-up and operation, and sheet metal fabrication. Course content includes the following areas: metallurgy and heat treatment of metal, advanced machine set-up and operation, numerical control/computer, numerical control machining, performing supervisory functions and installation, and maintenance and repair of machinery. (Available SY 2011-.)

### **13097A000 Processing/Production—Independent Study**

Processing/Production—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to processing and production. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **13099A000 Processing/Production—Other**

Other Processing/Production courses. (Available SY 2011-.)

### **13098A000 Processing/Production—Workplace Experience**

Processing/Production—Workplace Experience courses provide students with work experience in fields related to manufacturing processing and production. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses

may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **13103A000 Product Development**

Product Development courses provide students with the opportunity to focus on one or more areas of industrial technology to design or redesign a product to solve a problem. Students may build prototypes and working models and may evaluate the product and process according to industry standards. (Available SY 2011-.)

### **13101A000 Production Systems**

Production Systems courses provide students with knowledge and skills related to manufacturing technologies from conception through production. Although courses vary, students typically analyze markets, design and develop prototypes, plan a marketing or sales strategy, manage a production plan, and manufacture useful products. These courses may also explore the evolution and impact of technology on society's social, cultural, and economic systems and institutions. (Available SY 2011-.)

### **13147A000 Production Systems—Independent Study**

Production Systems—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to manufacturing systems and/or research. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **13149A000 Production Systems—Other**

Other Production Systems courses. (Available SY 2011-.)

### **13148A000 Production Systems—Workplace Experience**

Production Systems—Workplace Experience courses provide students with work experience in fields related to manufacturing systems and/or research. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

**13052A001 Production Technology****CTE Course**

Production Technology is a course designed to foster an awareness and understanding of manufacturing and construction technology. Through a variety of learning activities, students are exposed to many career opportunities in the production field. Experiences in manufacturing include product design, materials and processes, tools and equipment including computers, safety procedures, corporate structure, management, research and development, production planning, mass production, marketing and servicing. In construction, students are exposed to site preparation, foundations, building structures, installing utilities, and finishing and servicing structures. (Available SY 2011-.)

**13347A000 Repair—Independent Study**

Repair—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to repair. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

**13349A000 Repair—Other**

Other Repair courses. (Available SY 2011-.)

**13348A000 Repair—Workplace Experience**

Repair—Workplace Experience courses provide students with work experience in the fields involving repair, supported by classroom attendance and discussion. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

**13205A000 Sheet Metal**

Sheet Metal courses expose students to the skills and information necessary to lay out, fabricate, assemble, install, maintain, and repair items and structures created from sheet metal components. Students learn the safe and efficient operation of various tools and typically gain skill in blueprint reading, welding, and finishing and polishing metals. (Available SY 2011-.)

**13205A001 Sheet Metal Technology I****CTE Course**

This course is designed to introduce students to the Sheet Metal Worker occupation. Students are instructed in areas of safety including hand tool, power tool, ladder and scaffolding. Students are



introduced to the planning, layout, and fabrication of sheet metal parts. Students gain knowledge of blueprint reading and sketching to determine sequence and methods of fabrication and assembly of products. In addition, units of instruction include the proper use and maintenance of hand and power tools, metal identification, measuring and layout, metal separating, forming machinery, and basic welding. (Available SY 2011-.)

### **13205A002 Sheet Metal Technology II**

**CTE Course**

This course is a continuation of and builds on the skills and concepts introduced in Sheet Metal Technology I. In this course students are introduced to precision measurement, power assisted sheet metal forming equipment, constructing ductwork, hand and power tools specifically designed for sheet metal fabrication, sheet metal production equipment, and advanced welding and brazing. (Available SY 2011-.)

### **13248A001 Sheet-working Workplace Experience**

**CTE Course**

Sheet-working Workplace Experience courses provide students with work experience in the welding, machine technologies, or metalwork fields. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **13207A000 Welding**

Welding courses enable students to gain knowledge of the physical and chemical properties, uses, and applications of various metals. Students gain skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, metal inert gas, and tungsten arc processes) and experience in identifying, selecting, and rating appropriate techniques. Students read and interpret blueprints in order to identify, select, and rate appropriate techniques. These courses may prepare students to pass relevant industry certifications. (Available SY 2011-.)

### **13207A001 Welding Technology I**

**CTE Course**

This course assists students in gaining the knowledge and developing the basic skills needed to be successful in welding technology. Units of instruction include arc, TIG and MIG welding, metallurgy, cutting metal using arc, plasma, and oxy-gas. In addition, students learn the basics of

blueprint reading, precision measuring, layout, and production process planning. (Available SY 2011-.)

### **13207A002 Welding Technology II**

**CTE Course**

This course builds on the skills and concepts introduced in Welding Technology I and provides more in-depth skill development in various types of welding including horizontal, vertical, overhead, and circular techniques. Students also explore the use of robotic and automated production welding. (Available SY 2011-.)

### **13248A002 Welding Workplace Experience**

**CTE Course**

Welding Workplace Experience courses provide students with work experience in the welding, machine technologies, or metalwork fields. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **13054A000 Wood Processing/Production**

Wood Processing/Production courses allow students to study the physical and chemical properties of woods and composites made from woods and to use these materials to construct usable products according to industry standards. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines. (Available SY 2011-.)

## 14 Health Care Sciences

### **14298A001 Allied Health Workplace Experience**

**CTE Course**

Allied Health Workplace Experience courses provide students with work experience in fields involving the general allied health sciences. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **14098A003 Athletic Training Workplace Experience**

**CTE Course**

Athletic Training Workplace Experience courses provide students with work experience in fields related to athletic training services. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **14254A002 Basic Life Support**

**CTE Course**

This course trains students for CPR and basic life supporting skills and to promptly recognize several life-threatening emergencies and provide instruction consistent with emergency care practices for CPR, first aid, and covers breathing and cardiac emergencies - including CPR, AED, and obstructed airway - for adult, child, and infant victims. The course topics could also include training to prepare students for blood-borne pathogen certification. (Available SY 2022-.)

### **14255A000 Biomedical Innovation**

Biomedical Innovation courses help students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. These courses help students design innovative solutions for emerging health challenges and address topics such as clinical medicine, human physiology, medical innovation, water contamination, public health, molecular biology, and forensic autopsy, and public health. These courses may also provide students with the opportunity to work with a mentor or advisor from a university or hospital, physician's office, or industry. Students may design and complete an independent project as part of the course. (Available SY 2021-.)

### **14255A002 Biomedical Innovation**

**CTE Course**

Biomedical Innovation courses help students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. These courses help students design innovative solutions for emerging health challenges and address topics such as clinical medicine, human physiology, medical innovation, water contamination, public health, molecular biology, and forensic autopsy, and public health. These courses may also provide students with the opportunity to work with a mentor or advisor from a university or hospital, physician's office, or industry. Students may design and complete an independent project as part of the course. (Available SY 2021-.)

### **14299A001 Biomedical Innovations (PLTW)**

**CTE Course**

Biomedical Innovations courses provide the ability to design innovative solutions for the current pressing health challenges. Students apply knowledge and skills while conducting experiments related to biomedical sciences. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. Students have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, health care industry, or biomedical research institution. Students will be expected to make a presentation of their work to an adult audience that may include representatives from the local community or the school's PLTW partnership team. (Available SY 2011-2021.)

### **14252A000 Biotechnology**

Biotechnology courses involve the study of the bioprocesses of organisms, cells, and/or their components and enable students to use this knowledge to produce or refine products, procedures, and techniques. Course topics typically include laboratory measurement, monitoring, and calculation; growth and reproduction; chemistry and biology of living systems; quantitative problem-solving; data acquisition and display; and ethics. Advanced topics may include elements of biochemistry, genetics, and protein purification techniques. (Available SY 2011-.)

**14252A002 Biotechnology****CTE Course**

Biotechnology courses involve the study of the bioprocesses of organisms, cells, and/or their components and enable students to use this knowledge to produce or refine products, procedures, and techniques. Course topics typically include laboratory measurement, monitoring, and calculation; growth and reproduction; chemistry and biology of living systems; quantitative problem-solving; data acquisition and display; and ethics. Advanced topics may include elements of biochemistry, genetics, and protein purification techniques. (Available SY 2021-.)

**14201A000 Central Service Technology**

Central Service Technology courses provide students with knowledge and skills related to the procurement, handling, storage, and distribution of sterile goods and equipment. Course components usually include quality assurance, infection control and isolation techniques, medical terminology and processes, decontamination and sterilization, microbiology, and chemistry. (Available SY 2011-.)

**14201A001 Central Supply Services****CTE Course**

Central Supply Service course provide students with knowledge and skills related to the procurement, handling, storage, and distribution of sterile goods and equipment. It provides a sequence of organized learning experiences and skills designed to perform tasks that include inspecting, assembling, and evaluating equipment and supplies. Perform aseptic techniques in cleaning and sterilizing equipment and supplies under the supervision of a central supply technician. Course components usually include quality assurance, infection control and isolation techniques, medical terminology and processes, decontamination and sterilization, microbiology, and chemistry. (Available SY 2011-2021.)

**14104A001 Clinical Laboratory Assistant/Phlebotomist****CTE Course**

In Phlebotomy courses, students acquire knowledge, skills, and experiences related to the drawing of blood and typically learn about such topics as infection control, sterilization practices, medical/hospital procedures and environments, diagnostic procedures, and the process of drawing blood. This course provides a sequence of organized competencies necessary to perform tasks which include laboratory requisitions and reports; care of laboratory equipment; aseptic techniques; basic laboratory mathematics (metrics); handling of specimens; blood collection techniques; and interdepartmental relationships such as introduction to the departments of hematology, urology, serology, bacteriology, and others. In addition, students should be introduced to departmental procedures, policies, and standards. (Available SY 2011-.)

**14054A001 Dental Assistant****CTE Course**

The course exposes students to the tools, terminology, and procedures necessary for a career in the dental industry. The course is responsible for preparing materials for impressions and restorations; and for exposing, processing, and mounting dental radiographs. The dental assistant maintains infection control according to Occupational Safety and Health Administration (OSHA) and American Dental Association standards. They also prepare tray setups for dental procedures and provide preventative dental patient/client information. The dental assistant is also trained to manage the office. This includes arranging and confirming appointments, greeting patients/clients, maintaining treatment records, mailing statements, receiving payments, and ordering supplies. (Available SY 2011-.)

**14098A001 Dental Assisting Workplace Experience****CTE Course**

Dental Assisting Workplace Experience courses provide students with work experience in fields related to dental assisting services. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

**14101A001 Dental Laboratory Aide****CTE Course**

The course exposes students to the principals, tools, terminology, and procedures necessary for a career in a dental laboratory. The student is introduced to working with the dentist, dental assistant, and dental hygienist in the examination of patients/clients. The student learns to arrange and confirm appointments, greet patients/clients, and maintain treatment records. The students learn to maintain infection control according to Occupational Safety and Health Administration (OSHA) and American Dental Association (ADA) standards in assisting the dental assistant or dentist in preparing for dental procedures. The dental laboratory aide may also learn to assist the dental laboratory technologist in making, repairing, and polishing dentures; constructing crowns or bridges for partially destroyed teeth; and making orthodontic appliances (tooth straightening devices). (Available SY 2011-.)

**14101A000 Dental Laboratory Technology**

Dental Laboratory Technology courses expose students to the principals, tools, terminology, and procedures necessary for a career in a dental laboratory. These courses typically cover many of the same topics as Dental Science, but emphasize making mouth guards, taking impressions,

creating various types of dental molds and models, and fabricating prostheses and dental appliances. (Available SY 2011-.)

### **14054A000 Dental Science**

Dental Science courses expose students to the tools, terminology, and procedures necessary for a career in the dental industry. Course content covers a wide range of topics and typically includes dental anatomy and terminology; the identification and use of dental equipment; dental pathologies and procedures; asepsis; dental laboratory procedures; emergency first aid; and the ethical and legal responsibilities of dental care workers. These courses often explore dental specialties and career options. (Available SY 2011-.)

### **14147A000 Diagnostic Services—Independent Study**

Diagnostic Services—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to diagnostic services. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **14149A000 Diagnostic Services—Other**

Other Diagnostic Services courses. (Available SY 2011-.)

### **14148A000 Diagnostic Services—Workplace Experience**

Diagnostic Services—Workplace Experience courses provide students with work experience in fields related to diagnostic services. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **14148A002 ECG Workplace Experience**

**CTE Course**

ECG Workplace Experience courses provide students with work experience in fields related to ECG diagnostic services. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical

Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **14103A000 EKG Technology**

In EKG Technology courses, students acquire the knowledge and skills to perform electrocardiograph activities and learn about the cardiovascular system (including its function, diseases, and rhythms); EKG machinery; and the use of drugs and their effects. These courses usually include general health care topics as well, such as basic anatomy and physiology, patient care, first aid and CPR, identification and use of medical equipment, and medical terminology. (Available SY 2011-.)

### **14103A001 Electrocardiograph (EKG) Technician**

**CTE Course**

In EKG Technology courses, students acquire the knowledge and skills to perform electrocardiograph activities and learn about the cardiovascular system (including its function, diseases, and rhythms); EKG machinery; and the use of drugs and their effects. This course provides a sequence of organized learning experiences and skills designed to utilize the electrocardiograph machine to record the variation in time and potential of the electric current associated with action of the heart muscle by learning proper electrode sites and placement; quality control; interpersonal relationships; interdepartmental relationships; anatomy and physiology; and observing and reporting. The student learns the competencies needed to perform as an EKG technician in a hospital, clinic, or doctor's office under the direction of a physician. These courses usually include general health care topics as well, such as basic anatomy and physiology, patient care, first aid and CPR, identification and use of medical equipment, and medical terminology. (Available SY 2011-.)

### **14055A001 Emergency Medical Technician**

**CTE Course**

Emergency Medical Technology courses place a special emphasis on the knowledge and skills needed in medical emergencies. Topics typically include clearing airway obstructions, controlling bleeding, bandaging, methods for lifting and transporting injured persons, simple spinal immobilization, infection control, stabilizing fractures, and responding to cardiac arrest. The courses should also cover the legal and ethical responsibilities involved in dealing with medical emergencies. The Illinois Department of Public Health approves EMT training programs in the State of Illinois. Approved programs must meet or exceed the National Emergency Medical Services Education Standards for the Emergency Medical Technician and meet all other applicable requirements contained in 77 Illinois Administrative Code Part 515. To become licensed as an EMT-B in the State of Illinois or nationally certified, the student must be 18 years of age, complete a state-approved EMT program, have a current CPR-BLS for "Healthcare Provider" or equivalent credential, and pass the National Registry of Emergency Medical Technicians examination (required for national certification) or the Illinois Department of Public Health's EMT-B examination. (Available SY 2011-.)



### **14055A000 Emergency Medical Technology**

Emergency Medical Technology courses place a special emphasis on the knowledge and skills needed in medical emergencies. Topics typically include clearing airway obstructions, controlling bleeding, bandaging, methods for lifting and transporting injured persons, simple spinal immobilization, infection control, stabilizing fractures, and responding to cardiac arrest. The courses may also cover the legal and ethical responsibilities involved in dealing with medical emergencies. These courses may prepare students to obtain certification in Emergency Medical Response (EMR), CPR, First Aid, Incident Command System (ICS), and Wilderness First Responder. (Available SY 2011-.)

### **14148A003 EMT Workplace Experience**

### **CTE Course**

EMT Workplace Experience courses provide students with work experience in fields related to emergency medical services. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **14001A000 Exploration of Health Care Occupations**

Exploration of Health Care Occupations courses expose students to the variety of opportunities available within the health care industry (e.g., nursing, therapy, dental care, administrative services, and lab technology). These courses provide experiences in several of these occupational clusters, along with information and knowledge related to the health care industry as a whole. (Available SY 2011-.)

### **64001A000 Exploration of Health Care Occupations (prior-to-secondary)**

Exploration of Health Care Occupations courses exposes students to the variety of opportunities available within the health care industry (e.g., nursing, therapy, dental care, administrative services, and lab technology). These courses provide experiences in several of these occupational clusters, along with information and knowledge related to the health care industry as a whole. (Available SY 2012-2023.)

**14059A001 Geriatric Aide****CTE Course**

Geriatric Aide courses provide students with knowledge and understanding of the processes of adult development and aging. The geriatric aide course is composed of a combination of subject matter and learning activities designed to prepare a person to perform simple tasks involved in the personal care of elderly individuals receiving nursing services. These tasks are performed under the supervision of a licensed practical nurse or registered nurse. Topics covered may include the study of the biological, economic, psychological, social, health, and special nutritional needs; fitness and maintenance of body processes; aspects of the aging process; activities of daily living; rehabilitation activities; diagnostic and treatment procedures; patient/client care procedures; and special nursing care needs of the elderly. (Available SY 2011-.)

**14059A002 Gerontology****CTE Course**

Gerontology courses provide students with knowledge and understanding of the processes of adult development and aging. Topics covered may include the study of the biological, economic, psychological, social, and health/fitness aspects of the aging process. (Available SY 2020-.)

**14059A000 Gerontology**

Gerontology courses provide students with knowledge and understanding of the processes of adult development and aging. Topics covered may include the study of the biological, economic, psychological, social, and health/fitness aspects of the aging process. (Available SY 2011-.)

**14099A003 Health and Safety Skills for Psychiatric Rehabilitation****CTE Course**

This course should focus on the mental health system and related services, basic CPR, first aid, infection control, vital signs, nutrition, and safety. It is suggested that the Certified Nursing Assistant (CNA) course be given at this time as the basic foundation. The student would then become eligible upon successful completion of all of the skills and knowledge for dual certification as both a CNA and a Psychiatric Rehabilitation Services Aide (PRSA) at the end of course of study, as long as the Psychiatric Rehabilitation Services Aide Training Program meets all applicable requirements contained in 77 Illinois Administrative Code Part 395. (Available SY 2011-2021.)

**64997A000 Health Care Sciences – Independent Study**

Health Care Sciences-Independent Study courses, often conducted with instructors as mentors, enable students to explore health-related topics of interest. Independent Study courses may provide an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

## **64999A000 Health Care Sciences – Other**

(Available SY 2012-2023.)

## **64002A000 Health Care Occupations – Comprehensive**

Health Care Occupations-Comprehensive courses provide an orientation to the health care industry and help refine students' health care-related knowledge and skills. Topics covered usually include (but are not limited to) an overview of health care delivery; patient care, including assessment of vital signs, body mechanics, and diet; anatomy and physiology; identification and use of medical equipment and supplies; medical terminology; hygiene and disease prevention; first aid and CPR procedures; laboratory procedures; and ethical and legal responsibilities. (Available SY 2012-2023.)

## **14002A000 Health Care Occupations—Comprehensive**

Health Care Occupations—Comprehensive courses provide students with an orientation to the health care industry and help refine their health care-related knowledge and skills. Topics covered usually include (but are not limited to) an overview of health care delivery; patient care, including assessment of vital signs, body mechanics, and diet; anatomy and physiology; identification and use of medical equipment and supplies; medical terminology; hygiene and disease prevention; first aid and CPR procedures; laboratory procedures; and ethical and legal responsibilities. (Available SY 2011-.)

## **14995A000 Health Care Sciences—Aide**

Health Care Sciences—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

## **14997A000 Health Care Sciences—Independent Study**

Health Care Sciences—Independent Study courses, often conducted with instructors as mentors, enable students to explore health-related topics of interest. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

## **14999A000 Health Care Sciences—Other**

Other Health Care Sciences courses. (Available SY 2011-.)

### **14998A000 Health Care Sciences—Workplace Experience**

Health Care Sciences—Workplace Experience courses provide students with work experience in the health care industry. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **14157A000 Health Informatics and Data Management**

Health Informatics and Data Management courses introduce students to automated information systems in the health care delivery system. These courses teach students terminology and essential concepts of health information systems and management of data, including the purpose, content, and structure of health data; numbering and filing systems; storage and retention methods; and the construction and design of forms, records, indexes, and registers. These courses may also examine data integrity, privacy/security issues, and the purposes of accreditation and regulatory standards in developing health record practice guidelines. (Available SY 2021-.)

### **14157A001 Health Informatics and Data Management**

**CTE Course**

Health Informatics and Data Management courses introduce students to automated information systems in the health care delivery system. These courses teach students terminology and essential concepts of health information systems and management of data, including the purpose, content, and structure of health data; numbering and filing systems; storage and retention methods; and the construction and design of forms, records, indexes, and registers. These courses may also examine data integrity, privacy/security issues, and the purposes of accreditation and regulatory standards in developing health record practice guidelines. (Available SY 2021-.)

### **14197A000 Health Information—Independent Study**

Health Information—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to health information systems. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **14199A000 Health Information—Other**

Other Health Information courses. (Available SY 2011-.)

### **14198A000 Health Information—Workplace Experience**

Health Information—Workplace Experience courses provide students with work experience in fields related to health Information. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **14002A003 Health Occupations Advanced Skill Development**

**CTE Course**

This course builds on the competencies developed in the Health Occupations Introductory Skills course. Students will develop cognitive and effective skills and formulate a strong foundation for advanced level skill development. The course provides a sequence of organized learning experiences and skills to prepare a person to recognize the signs and symptoms of illness, injury, and disease and to determine appropriate primary, secondary and tertiary care; to begin the approved and appropriate life -support procedures, such as first aid and cardiopulmonary resuscitation (CPR); to communicate effectively with healthcare personnel and patients; and to properly document health care delivery procedures and outcomes. The course should include skills to prepare the student for an allied health occupation. (Available SY 2011-.)

### **14998A001 Health Occupations Cooperative Education**

**CTE Course**

The course provides students with work experience in the health care industry. This course is designed for students interested in pursuing careers in health occupations. Students are released from school for their cooperative education work experience and participate in 200 minutes per week of related classroom instruction. Classroom instruction focuses on providing students with job survival skills, career exploration skills related to the job, and improving students' abilities to interact positively with others. For skills related to the job, refer to industry standards of the desired career. Goals are typically set cooperatively by the student, teacher, and employer (students may be paid or unpaid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-2021.)

### **14002A002 Health Occupations Introductory Skill Development**

**CTE Course**

This course provides students with a core of knowledge of the health care industry and helps refine their health care -related knowledge and competencies/skills. Students will develop cognitive and effective skills and formulate a strong foundation for introductory skill development. Competencies taught usually include (but are not limited to) medical terminology; health care

industry and culture; health care delivery practices; health care industry ethics; health professions licensure; emergency response; health care confidentiality; health care personnel and roles; health care sanitation; and health care rules and regulations as defined in the Illinois Recommended Technical and Essential Employability Competencies for College and Career Pathway Endorsements. (Available SY 2011-.)

### **14002A001 Health Occupations Related Skills**

### **CTE Course**

The course provides students with a core of knowledge to the health care industry and helps refine their health care-related knowledge and skills. This core of knowledge will develop the students' cognitive and affective skills in formulating a strong foundation for entry-level skill development. Topics covered usually include (but are not limited to) an overview of health care delivery; patient care, including assessment of vital signs, body mechanics, and diet; anatomy and physiology; identification and use of medical equipment and supplies; medical terminology; hygiene and disease prevention; first aid and CPR procedures; laboratory procedures; and ethical and legal responsibilities. (Available SY 2011-.)

### **14251A000 Health Science**

Health Science courses integrate chemistry, microbiology, chemical reactions, disease processes, growth and development, and genetics with anatomy and physiology of the body systems. Typically, these courses reinforce science, mathematics, communications, health, and social studies principles and relate them to health care. (Available SY 2011-.)

### **14998A002 Health Science Workplace Experience**

### **CTE Course**

Health Science Workplace Experience courses provide work experience in fields related to the Health Science cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

### **14297A000 Health Sciences—Independent Study**

Health Sciences—Independent Study courses, often conducted with instructors as mentors, enable students to explore health-related topics of interest. Independent Study courses may

provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

#### **14299A000 Health Sciences—Other**

Other Health Sciences courses. (Available SY 2011-.)

#### **14298A000 Health Sciences—Workplace Experience**

Health Sciences—Workplace Experience courses provide students with work experience in fields involving the health sciences. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

#### **14202A000 Health Support Services**

Health Support Services courses provide students with knowledge and skills to be used in activities that support patients' primary health care, such as counseling, health education, disease management, and risk reduction. Because support services can be widely defined, course topics typically also include general health care, such as anatomy and physiology, medical terminology, first aid and CPR procedures, and ethical and legal responsibilities. (Available SY 2011-.)

#### **14247A000 Health Support Services—Independent Study**

Health Support Services—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to health support services. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

#### **14249A000 Health Support Services—Other**

Other Health Support Services courses. (Available SY 2011-.)

#### **14248A000 Health Support Services—Workplace Experience**

Health Support Services—Workplace Experience courses provide students with work experience in careers related to health support services. Goals are typically set cooperatively by the student,

teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **14248A001 Health Support Services—Workplace Experience**

**CTE Course**

Health Support Services—Workplace Experience courses provide students with work experience in careers related to health support services. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2020-2021.)

### **14203A000 Health Unit Coordination**

Health Unit Coordination courses provide students with instruction and experiences so that they can manage components of nonpatient care activities in health care facilities. Topics covered usually include medical terminology, transcription, and general reception duties and responsibilities; recordkeeping; and stocking medical and office supplies and equipment. (Available SY 2011-.)

### **14198A002 Health Unit Coordinator Workplace Experience**

**CTE Course**

Health Unit Coordinator Workplace Experience courses provide students with work experience in fields related to health unit coordination. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **14053A001 Home Health Aide**

**CTE Course**

The course is composed of a combination of subject matter and learning activities designed to prepare a person to care for individuals within their homes. The student learns competencies needed to perform simple tasks involved in the personal care of ill or handicapped individuals under the direction of the attending physician, registered professional nurse, and/or licensed practical nurse. The home health agency assigns a registered nurse to provide continuing supervision of this health care. The home health aide is employed in private homes, hospitals, long-term care facilities, and health care institutions. Course content relates health care practices



and procedures to the home environment, and typically includes patient care, comfort, observing, recording, reporting, and safety; process of aging; personal care and daily living activities; family relationships; behavior patterns; home management; the prevention of disease and infection; nutrition and meal preparation; human relations; and first aid and CPR. The student must be a certified nurse assistant before becoming a home health aide. (Available SY 2011-.)

### **14053A000 Home Health Care**

Home Health Care courses teach students how to care for individuals within their homes. Course content relates health care practices and procedures to the home environment, and typically includes patient care, comfort, and safety; anatomy and physiology; the prevention of disease and infection; nutrition and meal preparation; human relations; and first aid and CPR. Topics covered may also include therapy strategies, household management, and employability. (Available SY 2011-.)

### **14251A001 Human Body Systems**

**CTE Course**

Human Body Systems courses provide the study of basic human anatomy and physiology, especially in relationship to human health. A central theme is research and investigation into how the body systems work together to maintain internal balance and good health. Students use models and data acquisition software to study body structure and to monitor body functions. (Available SY 2011-.)

### **14253A002 Introduction to Pathophysiology and Pharmacology**

**CTE Course**

Introduction to Pathophysiology and Pharmacology courses present the concepts of homeostasis and disease processes. Course topics and experiences enable students to relate how the human body's homeostasis is impacted by both disease and chemical substances, especially by the actions of drugs and other substances commonly used to treat diseases. Pathophysiology emphasizes various human body system disorders and the mechanisms of disease, including (but not limited to) fluid, electrolyte, and acid-base imbalances; pain; inflammation and healing; infection; and immunity. Pharmacology topics typically include (but are not limited to) the science of medication actions, sources, chemical properties, classification, uses, therapeutic effect, side-effects, adverse effects, and routes of administration. Hands-on activities, projects, and real-world problems are encouraged to attain complete comprehension. (Available SY 2019-.)

### **14156A000 Medical Coding and Transcription**

Medical Coding and Transcription courses introduce students to the International Classification of Diseases, Clinical Modification and its system of hospital codes for diagnoses and procedures. These courses provide opportunities for students to practice and develop skills in the use of

transcription equipment and to gain familiarity with common formats of medical terminology and reports. (Available SY 2021-.)

### **14156A001 Medical Coding and Transcription**

**CTE Course**

Medical Coding and Transcription courses introduce students to the International Classification of Diseases, Clinical Modification (ICD-10) and its system of hospital codes for Current Procedural Terminology (CPT) diagnoses and procedures. These courses provide opportunities for students to practice and develop skills in the use of transcription equipment and to gain familiarity with common formats of medical terminology and reports. (Available SY 2021-.)

### **64001A001 Medical Detectives (PLTW GTT)**

**CTE Course**

Students explore the biomedical sciences through hands-on projects and labs that require the students to solve a variety of medical mysteries. Students investigate medical careers, vital signs, diagnosis and treatment of diseases, as well as human body systems such as the nervous system. Genetic testing for hereditary diseases and DNA crime scene analysis put the students in the place of real life medical detectives. (Available SY 2014-2021.)

### **14198A001 Medical Insurance Coding Workplace Experience**

**CTE Course**

Medical Insurance Coding Workplace Experience courses provide students with work experience in fields related to medical insurance coding. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **14254A001 Medical Interventions**

**CTE Course**

Medical Interventions courses provides opportunities to investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. (Available SY 2011-.)

**14102A001 Medical Lab Technician****CTE Course**

Medical Lab Technician courses provide students with the knowledge and skills necessary for employment in health care-related laboratories. Topics include basic principles of anatomy and physiology, relevant concepts in microbiology and chemistry, and laboratory techniques (including preparation and analysis of various cultures and specimens). These courses provide a sequence of organized competencies necessary to perform tasks which include laboratory requisitions and reports; care of laboratory equipment; aseptic techniques; basic laboratory mathematics (metrics); handling of specimens; blood collection techniques; and interdepartmental relationships such as introduction to the departments of hematology, urology, serology, bacteriology, and others. The courses may also cover such components as venipuncture, EKG, and CPR procedures. (Available SY 2011-.)

**14102A000 Medical Lab Technology**

Medical Lab Technology courses provide students with the knowledge and skills necessary for employment in health care-related laboratories. Topics include basic principles of anatomy and physiology, relevant concepts in microbiology and chemistry, and laboratory techniques (including preparation and analysis of various cultures and specimens). The courses may also cover such components as venipuncture, EKG, and CPR procedures. (Available SY 2011-.)

**14148A004 Medical Laboratory Technician Workplace Experience****CTE Course**

Medical Laboratory Technician Workplace Experience courses provide students with work experience in fields related to medical laboratory services. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

**14003A000 Medical Law and Ethics**

Medical Law and Ethics courses introduce students to the principles of medical law, medical ethics, and bioethics. These courses emphasize the function of law and ethical issues as it applies to the medical environment. (Available SY 2021-.)

**14003A001 Medical Law and Ethics****CTE Course**

Medical Law and Ethics courses introduce students to the principles of medical law, medical ethics, and bioethics. These courses emphasize the function of law and ethical issues as it applies to the medical environment. (Available SY 2021-.)

**14153A000 Medical Office Procedures**

Medical Office Procedures courses expose students to clerical knowledge, abilities, and procedures as they apply to the medical field. These courses typically include (but are not limited to) topics such as medical transcription, medical insurance, financial accounting, scheduling, and patient record-keeping. Medical terminology and routine medical procedures are covered to provide a context for clerical duties. (Available SY 2011-.)

**14153A001 Medical Office Procedures****CTE Course**

Medical Office Procedures courses expose students to clerical knowledge, abilities, and procedures as they apply to the medical field. These courses typically include (but are not limited to) topics such as medical transcription, medical insurance, financial accounting, scheduling, and patient record-keeping. Medical terminology and routine medical procedures are covered to provide a context for clerical duties. (Available SY 2011-.)

**14202A001 Medical Records Assistant****CTE Course**

This course provides a sequence of organized learning experiences and skills designed to prepare an individual to assist other medical record personnel by typing, filing, and performing general office duties; organizing, analyzing, and technically evaluating health records; coding symptoms, diseases, or operations; preparing health data for input into computers; and compiling administrative and health statistics for use by public health and/or clinical health care officials under the direction of the medical records administrator or other health care administrator. (Available SY 2011-.)

**14154A000 Medical Terminology**

In Medical Terminology courses, students learn how to identify medical terms by analyzing their components. These courses emphasize defining medical prefixes, root words, suffixes, and abbreviations. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions. (Available SY 2011-.)

**14154A001 Medical Terminology****CTE Course**

Medical Terminology courses students learn how to identify medical terms by analyzing their components. These courses emphasize defining medical prefixes, root words, suffixes, and abbreviations. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions. (Available SY 2011-.)

**14151A000 Medical/Clerical Assisting**

Medical/Clerical Assisting courses enable students to develop knowledge and skills that combine the medical and clerical fields. Students typically develop skills such as patient exam preparation, assessment of vital signs, routine lab procedures, medical transcription, financial accounting, patient and insurance company billing, and record-keeping. (Available SY 2011-.)

**14148A001 Medical/Clinical Assistant Workplace Experience****CTE Course**

Medical/Clinical Assistant Workplace Experience courses provide students with work experience in fields related to medical/clinical assisting services. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

**14151A001 Medical/Clinical Assisting****CTE Course**

Medical/Clinical Assisting course provides student development in a sequence of organized learning experiences and skills designed knowledge and skills that combine the medical and clinical fields. Students typically develop skills such as patient exam preparation, assessment of vital signs, routine lab procedures, medical transcription, financial accounting, patient and insurance company billing, and record-keeping. This course suggest common clerical duties which include answering phones; greeting patients/clients; handling mail, patient/client data files, and medical histories; ordering supplies; dealing with representatives from pharmaceutical companies and medical suppliers; and performing common clinical duties which include sterilizing instruments; preparing patients/clients for examination or treatment; taking temperatures, pulse, respiration, and blood pressure; measuring height and weight; performing routine laboratory procedures; and assisting the physician with patient/client examinations and treatment under the direction of the professional medical staff. In addition, the medical assistant should be able to understand the health problems of patients /clients, ethics and legal issues, human relationships, and interpersonal relationships. (Available SY 2011-.)

**14063A001 Mortuary Assistant****CTE Course**

The course offers a sequence of planned classroom, laboratory, and clinical experience to prepare a person to perform tasks to assist in the embalming and cremation of human remains, to provide funeral and burial services, and to sell funerary equipment to the public. It includes instruction in applicable anatomical, cosmetic, and technical procedures; facilities and equipment management; equipment and services marketing; legal requirements; and professional standards. The Mortuary Assistant maintains infection control according to Occupational Safety Health Administration (OSHA) and other national standards. (Available SY 2011-2020.)

**14051A000 Nursing**

Nursing courses place a special emphasis on the particular knowledge and skills required of nurses and/or nursing assistants and aides while covering general health care topics (i.e., patient care, anatomy and physiology, medical terminology, hygiene and disease prevention, first aid and CPR, and laboratory procedures). Topics covered typically include normal growth and development; bathing, feeding, dressing, and transporting patients; basic pharmacology; doctor, nurse, and patient relationships and roles; medical and professional ethics; death and dying; and care of various kinds of patients (e.g., chronically ill, children, new mothers, and so on). (Available SY 2011-.)

**14051A001 Nursing Assistant I****CTE Course**

The course is composed of a combination of subject matter and experiences designed to perform tasks of individuals receiving nursing services. The student learns those competencies needed to perform as a nurse assistant under the direction of the registered nurse. The units of instruction should include the role of the nurse assistant while covering general health care topics; medical terminology; patients/clients and their environment; special feeding techniques; psychological support and, in long-term and terminal illness, death and dying (e.g., chronically ill, children, new mothers, and so on); and all other basic nursing skills. Topics covered typically include normal growth and development; feeding, transporting patients, hygiene, and disease prevention; basic pharmacology; first aid and CPR; observing and reporting; care of equipment and supplies; doctor, nurse, and patient relationships and roles; procedure and policies; medical and professional ethics; and care of various kinds of patients. In order to have an approved nurse assistant program (one in which the students are eligible to sit for the certifying exam), the program must be approved by the Illinois Department of Public Health and meet all applicable requirements contained in 77 Illinois Administrative Code Part 395. (Available SY 2011-.)

**14098A005 Nursing Assistant Workplace Experience****CTE Course**

Nursing Assistant Workplace Experience courses provide students with work experience in fields related to nursing services. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses

should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **14052A001 Nursing-LPN**

### **CTE Course**

The course is composed of a combination of subject matter and learning activities designed to prepare a person to perform as a practical nurse under the direction of the physician or professional nurse. LPN courses offer the knowledge and experience needed to provide nursing care for patients of all ages, in various stages of sickness or health, and with a variety of disease conditions. Through classroom, laboratory, and clinical experiences, the student is exposed to the following units of instruction: interpersonal relationships; communications; physiological, psychological, and sociological principles and needs of patients/clients; basic skills; nutrition and special dietary content. Additional topics covered may include community health, nutrition, drug therapy and administration, and mental illness. This program must meet the approval requirements of the Illinois Department of Financial and Professional Regulation. (Available SY 2011-2021.)

### **14052A000 Nursing—LPN**

Covering the same scope of topics as Nursing courses, Nursing—LPN courses delve into more depth in order to prepare students for the state's practical nurse licensing examination. Nursing—LPN courses offer the knowledge and experience needed to provide nursing care for patients of all ages, in various stages of sickness or health, and with a variety of disease conditions. Additional topics covered may include community health, nutrition, drug therapy and administration, and mental illness. (Available SY 2011-.)

### **14063A002 Occupational Therapy Aide**

### **CTE Course**

This course provides a sequence of organized learning experiences and skills designed to prepare a person to be knowledgeable of the organizational structure of the occupational therapy department; relationships of anatomical structures to normal and abnormal movement (building upon the unit of body systems in an earlier course); pathophysiological conditions resulting from injury and/or disease; terminology; record keeping; interpersonal relationships; first aid; body mechanics; and assist in implementing the plan of therapy for a patient/client as prescribed by a physician as directed by the occupational therapist in a hospital, long-term care facility, retirement home, or clinic. This knowledge is necessary to perform as an occupational therapy aide in hospitals, long-term care facilities, and clinics under the direction of a occupational therapy assistant or occupational therapist. (Available SY 2011-.)

**14058A001 Optical Technician Assistant****CTE Course**

Optical Technician Assistant course provide students with the knowledge, ability, and experiences to prepare, assemble, and/or fit corrective lenses prescribed by a physician, ophthalmologist, or optometrist. This course provides a sequence of organized learning experiences and skills designed to prepare a person to assist with tests to determine normal and/or defective vision, prepare and fit eyeglasses and/or contact lenses, and administer corrective eye exercises and other treatments which do not require drugs or surgery under the supervision of an ophthalmologist, optometrist, or physician. It also includes administrative office duties, such as scheduling of patients/clients, maintenance of the patient/client record, and billing. This course provides a sequence of organized learning experiences and skills designed to prepare a person to adapt and fit corrective eyeglasses as prescribed by the ophthalmologist or optometrist. Topics covered may include layout and marking, cutting and chipping, edging and beveling, inspection, alignment, dispensing, and selection of eyewear. (Available SY 2011-2021.)

**14058A000 Optometrics**

Optometrics courses provide students with the knowledge, ability, and experiences to prepare, assemble, and/or fit corrective lenses prescribed by a physician or optometrist. Topics covered may include layout and marking, cutting and chipping, edging and beveling, inspection, alignment, dispensing, and selection of eyewear. (Available SY 2011-.)

**14001A001 Orientation to Diversified Health Occupations****CTE Course**

The course should expose students to the variety of opportunities available within the health care industry (e.g., such as nursing, therapy, vision and dental care, administrative services, and lab technology), which should include classroom and community-based activities. The main purpose of this course is to assist students in further development of their self -concept and in matching personal abilities and interest to a tentative career choice. The suggested course content should provide in-depth information into health occupations careers and trends, the occupational and educational opportunities, and the educational, physical, emotional, and attitudinal requirements. Courses should include content to prepare students for successful completion of the Occupational Safety and Health Administration-10 hour for General Industry. (Available SY 2011-.)

**14105A000 Particular Topics in Diagnostic Services**

These courses examine particular topics in diagnostic services other than those already described elsewhere in this classification system. (Available SY 2011-.)



### **14155A000 Particular Topics in Health Information**

These courses examine particular topics in health Information other than those already described elsewhere in this classification system. (Available SY 2011-.)

### **14254A000 Particular Topics in Health Sciences**

These courses examine particular topics in health sciences other than those already described elsewhere in this classification system. (Available SY 2011-.)

### **14204A000 Particular Topics in Support Services**

These courses examine particular topics in health support services other than those described elsewhere in this classification system. (Available SY 2011-.)

### **14063A000 Particular Topics in Therapeutic Services**

These courses examine particular topics in medical therapeutic services other than those already described elsewhere in this classification system. (Available SY 2011-.)

### **14253A000 Pharmacology**

Pharmacology courses involve a study of how living animals can be changed by chemical substances, especially by the actions of drugs and other substances used to treat disease. Basic concepts of physiology, pathology, biochemistry, and bacteriology are typically brought into play as students examine the effects of drugs and their mechanisms of action. (Available SY 2011-.)

### **14253A001 Pharmacology Technician**

**CTE Course**

Pharmacy Technician courses provide a sequence of organized learning experiences and skills designed to prepare the person to input information into the computer; obtain the client's records; file requisitions and prescriptions; check and order supplies; perform interdepartmental communications; use pharmacological terminology; observe drug dispensing, drugs, and dosages; understand the Unit Dosage System; and review physician's drug order sheet. All the skills listed above are performed under the supervision of a registered pharmacist. Course topics and experiences enable students to understand medical terminology, keep and maintain records, label medications, perform computer patient billing, perform stock inventory, and order supplies. These courses also emphasize pharmaceutical classification, drug interactions, and interpersonal/communication skills. (Available SY 2011-.)

### **14152A000 Pharmacy Assisting**

Pharmacy Assisting courses emphasize the knowledge and skills necessary to assist a pharmacist or pharmacy technician. Course topics and experiences enable students to understand medical terminology, keep and maintain records, label medications, perform computer patient billing, perform stock inventory, and order supplies. These courses also emphasize pharmaceutical classification, drug interactions, and interpersonal/communication skills.

(Available SY 2011-.)

### **14152A001 Pharmacy Assisting**

**CTE Course**

Pharmacy Assisting courses emphasize the knowledge and skills necessary to assist a pharmacist or pharmacy technician. Course topics and experiences enable students to understand medical terminology, keep and maintain records, label medication, perform computer patient billing, perform stock inventory, and order supplies. These courses also emphasize pharmaceutical classification, drug interactions, and interpersonal/communication skills.

(Available SY 2011-.)

### **14098A002 Pharmacy Technician Workplace Experience**

**CTE Course**

Pharmacy Technician Workplace Experience courses provide students with work experience in fields related to pharmacy services. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.

(Available SY 2021-.)

### **14104A000 Phlebotomy**

In Phlebotomy courses, students acquire knowledge, skills, and experiences related to the drawing of blood and typically learn about such topics as infection control, sterilization practices, medical/hospital procedures and environments, diagnostic procedures, proper storage and handling of specimens, and the process of drawing blood. (Available SY 2011-.)

### **14148A005 Phlebotomy Workplace Experience**

**CTE Course**

Phlebotomy Workplace Experience courses provide students with work experience in fields related to phlebotomy services. Goals must be set cooperatively by the student, teacher, and

employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **14060A000 Physical Therapy**

Physical Therapy courses provide students with the knowledge and skills necessary to work with patients who need to achieve and maintain functional rehabilitation and to prevent malfunction or deformity. Topics covered typically include therapeutic exercises and activities (such as stretching and strengthening), how to train patients to perform the activities of daily living, the use of special equipment, and evaluation of patient progress. (Available SY 2011-.)

### **14060A001 Physical Therapy Aide**

**CTE Course**

Physical Therapy Aide courses provide students with the knowledge and skills necessary to work with patients who need to achieve and maintain functional rehabilitation and to prevent malfunction or deformity. This course provides a sequence of organized learning experiences and skills designed to prepare a person to be knowledgeable of the organizational structure of the physical therapy department; relationships of anatomical structures to normal and abnormal movement (building upon the unit of body systems in an earlier course); pathophysiological conditions resulting from injury and/or disease; terminology; record keeping; interpersonal relationships; first aid; body mechanics; and uses of electricity, hot and cold packs, paraffin, whirlpool, diathermy, microwave, massage assistive and supporting devices, and therapeutic exercises and tractions. The physical therapy aide assists in implementing the plan of therapy for a patient/client as prescribed by a physician. This knowledge is necessary to perform as a physical therapy aide in hospitals, long-term care facilities and clinics under the direction of a physical therapy assistant or physical therapist. Topics covered typically include therapeutic exercises and activities (such as stretching and strengthening), how to train patients to perform the activities of daily living, the use of special equipment, and evaluation of patient progress. (Available SY 2011-.)

### **14098A004 Physical Therapy Aide Workplace Experience**

**CTE Course**

Physical Therapy Aide Workplace Experience courses provide students with work experience in fields related to physical therapy services. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could

include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

**14252A001 Principles of Biomedical Science (PLTW)**

**CTE Course**

Principles of Biomedical Science courses introduce students to the broad field of biomedical science. It provides the study of human medicine, research processes, and an introduction to bioinformatics. Students investigate how various health conditions and medical treatments impact human physiology. Health conditions covered include: heart disease, diabetes, sickle cell disease, hypercholesterolemia, and infectious diseases. (Available SY 2011-2021.)

**14255A001 Principles of Biomedical Sciences**

**CTE Course**

Principles of Biomedical Science courses introduce students to the broad field of biomedical science. It provides the study of human medicine, research processes, and an introduction to bioinformatics. Students investigate how various health conditions and medical treatments impact human physiology. (Available SY 2021-.)

**14099A002 Psychiatric Rehabilitation Skills**

**CTE Course**

This course should focus on the mental health system and related services, adult learners and methods for skills training, process model for social and coping skills training, medication management skills, and conducting skills training groups. (Available SY 2011-2021.)

**14105A001 Radiological Technology/Technician**

**CTE Course**

Radiological Technology/Technician course provides a sequence of organized learning experiences and skills designed to prepare a person to assist the radiographer by transporting patients/clients from the emergency room or nursing unit to the x-ray department, positioning the patient/client, assisting the patient/client to dress, and putting the patient/client at ease in unfamiliar surroundings. This course introduces the student to the medical equipment and materials used for diagnostic and therapeutic services under the supervision of a radiation therapist or physician. (Available SY 2011-2021.)

**14063A003 Rehabilitation Aide**

**CTE Course**

This course provides a sequence of organized learning experiences and skills to prepare a person to perform tasks involved in the personal and rehabilitative care of patients/clients. The rehabilitation aide concept is the integration of three major interdisciplinary teams that are the

basic skills in the areas of nursing, occupational therapy, and physical therapy. This health care person can help ensure that the approach to the care of the patient/client is consistent regardless of which specialty area is rendering the service. The rehabilitation aide performs under the supervision of a registered nurse, licensed physical therapist, or licensed occupational therapist in rehabilitation clinics or units in hospitals, extended care facilities, and long-term care facilities. This unit of instruction could be offered after the student has obtained the Certified Nursing Assistant credential. (Available SY 2011-.)

### **14061A000 Respiratory Therapy**

Respiratory Therapy courses provide students with the knowledge and skills necessary to work with patients who have breathing or other cardiopulmonary difficulties or disorders. Topics covered typically include identifying deficiencies and abnormalities of the cardiopulmonary system, understanding the various methods of therapies, and understanding how to use special equipment. (Available SY 2011-.)

### **14061A001 Respiratory Therapy**

**CTE Course**

Respiratory Therapy courses provide students with the knowledge and skills necessary to work with patients who have breathing or other cardiopulmonary difficulties or disorders. This course provides a sequence of organized learning experiences and skills designed for the person to assist in the treatment of patients/clients with heart and lung ailments. Topics covered typically include identifying deficiencies and abnormalities of the cardiopulmonary system, understanding the various methods of therapies, and understanding how to use special equipment. Areas to be included are administration of various types of gases and devices to control temperature, air pressure, and humidity; patient/client exercises that will clear fluid from lungs and improve the patient's/client's ability to breathe; and cleaning and sterilizing equipment under the direction of the Respiratory Therapist. (Available SY 2011-2021.)

### **14062A000 Sports Medicine**

Formerly known as Care of Athletes, Sports Medicine courses provide students with the knowledge and skills to understand and perform therapeutic tasks that would be designated by an athletic or fitness trainer. Topics covered may include taping and bandaging, proper use of protective padding, treatment modalities, anatomy and physiology, and medical terminology. Students may learn to measure cardiorespiratory endurance, muscular strength and endurance, flexibility, body composition, and blood pressure. More advanced topics may include injury assessment, the phases of healing, and the use of exercise and equipment to help in the reconditioning of injured athletes. (Available SY 2011-.)

**14062A001 Sports Medicine****CTE Course**

Sports Medicine courses introduce students to the basic principles and techniques for the prevention, recognition, treatment, and rehabilitation of common injuries and illnesses. Students may learn to measure cardiorespiratory endurance, muscular strength and endurance, flexibility, body composition, and blood pressure. Topics covered may include taping and bandaging, proper use of protective padding, treatment modalities, medical terminology, budgeting, and ordering supplies, as well as general operation of a training room facility. More advanced topics may include injury assessment, the phases of healing, and the use of exercise and equipment to help in the reconditioning of injured athletes. (Available SY 2011-.)

**14056A000 Surgical Technology**

Surgical Technology courses emphasize the care and needs of patients undergoing surgery while covering general health care topics (i.e., patient care, anatomy and physiology, medical terminology, hygiene and disease prevention, first aid and CPR, and laboratory procedures). In keeping with that focus, topics may include operation room materials, tools, and procedures; aseptic surgical techniques; preparation and handling of surgical instruments; efficiency in the operating room; and the roles of various medical personnel who are present during surgery. (Available SY 2011-.)

**14056A001 Surgical Technology****CTE Course**

Surgical Technology courses emphasize the care and needs of patients undergoing surgery while covering general health care topics (i.e., patient care, anatomy and physiology, medical terminology, hygiene and disease prevention, first aid and CPR, and laboratory procedures). This course provides a sequence of organized learning activities and skills related to department procedure and policies, interdepartmental relationships, care of surgical equipment, aseptic techniques, handling of specimens, body mechanics and position for surgery, observing and reporting, terminology, and safety under the direction of the professionals in the operating room. In keeping with that focus, topics may include operation room materials, tools, and procedures; aseptic surgical techniques; preparation and handling of surgical instruments; efficiency in the operating room; and the roles of various medical personnel who are present during surgery. (Available SY 2011-2021.)

**14099A001 Survey of Psychiatric Rehabilitation****CTE Course**

This course should focus on the mental health system and related services, psychiatric disability and related stigma issues, rehabilitative approaches to psychiatric treatment, case management, co-occurring substance abuse disorders, and public policies relevant to mental illness. The units of instruction should include consumer orientation, community supports and public policy, mental health system, wellness and diversity, functional assessment and treatment planning, vocational rehabilitation, substance abuse and mental illness/substance abuse (MISA), disability as disease, legal and ethical issues, case management and Assertive Community Treatment (ACT),

knowledge of medications, process model of psychiatric rehabilitation, families, and stigma of mental illness. (Available SY 2011-2021.)

### **14097A000 Therapeutic Services—Independent Study**

Therapeutic Services—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to therapeutic services. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **14099A000 Therapeutic Services—Other**

Other Therapeutic Services courses. (Available SY 2011-.)

### **14098A000 Therapeutic Services—Workplace Experience**

Therapeutic Services—Workplace Experience courses provide students with work experience in fields related to therapeutic services. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **14203A001 Unit Coordination**

### **CTE Course**

Unit Coordination courses provide students with instruction and experiences so that they can manage components of nonpatient care activities in health care facilities. This course provides a sequence of organized learning experiences and skills necessary for a person to perform tasks requiring good communication skills, correct terminology and spelling, and an understanding of policies, rules, and regulations regarding visitors, patients/clients, and coworkers. Clerical responsibilities of record keeping, transcribing physicians' orders and requisitions, operating a computer, and using a multiplicity of standard and special chart forms are a necessary part of this occupational training program. Patient/client care activities involving areas of admission, discharge, transfer, death, laboratory listing, etc., are performed under the direction of the professional nurse/unit manager in long-term care facilities, hospitals, or clinics. Topics covered usually include medical terminology, transcription, and general reception duties and responsibilities; recordkeeping; and stocking medical and office supplies and equipment. (Available SY 2011-.)

### **14057A000 Vision Care**

Vision Care courses expose students to the tools, terminology, and procedures necessary for a career in the optometric or optic field. Vision Care courses typically include the physics of light and refraction; the anatomy, physiology, and terminology associated with the eyes; identification and use of optometric and/or optical equipment; optical procedures; human relations; and the ethical and legal responsibilities of vision care workers. (Available SY 2011-.)

### **14057A001 Vision Care**

**CTE Course**

Vision Care courses expose students to the tools, terminology, and procedures necessary for a career in the optometric or optic field. Vision Care courses typically include the physics of light and refraction; the anatomy, physiology, and terminology associated with the eyes; identification and use of optometric and/or optical equipment; optical procedures; human relations; and the ethical and legal responsibilities of vision care workers. (Available SY 2011-2021.)

### **14099A004 Vocational Rehabilitation and Community Living Skills**

**CTE Course**

This course should focus on the mental health system and related services, supported employment, work as therapy, job coaching, Americans with Disabilities Act, and case management for community living. (Available SY 2011-2021.)



## **15 Public, Protective, and Government Service**

### **15202A000 Community Protection**

Community Protection courses provide students with information regarding the personnel and agencies concerned with protection of the home, city, state, and nation. Topics covered typically include civil defense; homeland security; disaster, terrorism, and emergency preparedness; crime prevention; pollution control; fire prevention and control; legal and social systems and principles; and public health. (Available SY 2011-.)

### **15202A001 Community Protection**

#### **CTE Course**

Community Protection courses provide students with information regarding the personnel and agencies concerned with protection of the home, city, state, and nation. Topics covered typically include civil defense and disaster preparedness; crime prevention; pollution control; fire prevention and control; legal and social systems and principles; and public health. These topics may be explored from the viewpoint of a community resident and citizen using these services or of that of one interested in pursuing a public service career. (Available SY 2020-.)

### **15052A000 Corrections**

Corrections courses provide instruction regarding the principles and techniques used by institutions that incarcerate, rehabilitate, and monitor people accused or convicted of crimes. As applicable, students may prepare for certification as a corrections officer or deputy. Course topics vary and may include, but are not limited to, infection control in corrections, taking fingerprints, self-defense pressure points, organization of correctional systems, and current and future issues in corrections. (Available SY 2011-.)

### **15052A001 Corrections**

#### **CTE Course**

This course will provide instruction regarding the principles and techniques used by institutions that incarcerate, rehabilitate, and monitor people accused or convicted of crimes. Course topics vary and may include (but are not limited to) protective services; correction, judicial, and probation service; public administration; and social work. (Available SY 2015-.)

### **15056A000 Crime Scene Management**

Crime Scene Management courses provide the skills and knowledge necessary for criminalistics - the securing, investigating, and processing of a crime scene. Topics may include, but are not limited to, evidence collection and preservation, finger printing, sketching, securing and photographing the crime scene, and chain of custody. (Available SY 2021-.)

### **15056A001 Crime Scene Management**

**CTE Course**

Crime Scene Management courses provide the skills and knowledge necessary for criminalistics - the securing, investigating, and processing of a crime scene. Topics may include, but are not limited to, evidence collection and preservation, finger printing, sketching, securing and photographing the crime scene, and chain of custody. (Available SY 2021-.)

### **15051A007 Criminal Justice**

**CTE Course**

Criminal Justice courses train students to understand and apply the principles and procedures essential to the overall U.S. criminal justice system. Course topics vary and may include, but are not limited to, structure, history and philosophy of the federal, state, county, and municipal court systems; judicial appointment processes; arrest-to-sentencing sequences; laboratory, forensic, and trial procedure; probation and parole; state and federal correctional facilities; and system interrelationships with law enforcement agencies. (Available SY 2020-.)

### **15051A000 Criminal Justice**

Criminal Justice courses train students to understand and apply the principles and procedures essential to the overall U.S. criminal justice system. Course topics vary and may include, but are not limited to, structure, history and philosophy of the federal, state, county, and municipal court systems; judicial appointment processes; arrest-to-sentencing sequences; laboratory, forensic, and trial procedure; probation and parole; state and federal correctional facilities; and system interrelationships with law enforcement agencies. (Available SY 2011-.)

### **15057A000 Criminal Law and Procedures**

Criminal Law and Procedures courses provide students with knowledge and skills related to understanding criminal law, constitutional amendments, and due process. Course content may include specific types of crimes, such as vehicle crimes, personal crimes, cyber crimes, drug crimes, and crimes related to child pornography or pedophiles. (Available SY 2021-.)

**15057A001 Criminal Law and Procedures****CTE Course**

Criminal Law and Procedures courses provide students with knowledge and skills related to understanding criminal law, constitutional amendments, and due process. Course content may include specific types of crimes, such as vehicle crimes, personal crimes, cyber crimes, and drug crimes. (Available SY 2021-.)

**15053A001 Criminology****CTE Course**

Criminology courses provide students an overview of the field and the theories of criminology. These courses explore crime, criminal behavior, and the law. Topics typically covered may include sociological and psychological motivations for crime, major criminology theories, patterns and behaviors, crime prevention, law enforcement, and criminal justice systems, among others. (Available SY 2019-2021.)

**15058A000 Ethics in Criminal Justice**

Ethics in Criminal Justice courses cover ethical standards and codes of professional behavior for police officers and others placed in positions of public trust. Topics may include use of force, gratuities, intra- and inter-agency conduct, integrity, ethical necessity of due process, and on-duty and off-duty conduct. (Available SY 2021-.)

**15058A001 Ethics in Criminal Justice****CTE Course**

Ethics in Criminal Justice courses cover ethical standards and codes of professional behavior for police officers and others placed in positions of public trust. Topics may include use of force, gratuities, intra- and inter-agency conduct, integrity, ethical necessity of due process, and on-duty and off-duty conduct. (Available SY 2021-.)

**15001A000 Exploration of Public Service Careers**

Exploration of Public Service Careers courses expose students to the duties, responsibilities, requirements, and career opportunities within public service. Course topics vary and may include, but are not limited to, public safety, police, fire, emergency services, law, forensics, corrections, fire/EMS and homeland security issues. Course activities depend upon the career clusters that students explore. (Available SY 2011-.)

**15001A001 Exploration of Public Service Careers****CTE Course**

Exploration of Public Service Careers courses expose students to the duties, responsibilities, requirements, and career opportunities within public service. Course topics vary and may include

(but are not limited to) protective services; correction, judicial, and probation services; fire protection and fire fighting; public administration; and social work. Course activities depend upon the career clusters that students explore. (Available SY 2019-.)

### **65001A000 Exploration of Public Service Careers (prior-to-secondary)**

Exploration of Public Service Careers courses exposes students to the duties, responsibilities, requirements, and career opportunities within public service. Course topics vary and may include (but are not limited to) protective services; correction, judicial, and probation services; fire protection and fire fighting; public administration; and social work. Course activities depend upon the career clusters that students explore. (Available SY 2012-2023.)

### **15152A000 Fire Fighting**

Fire Fighting courses offer students the opportunity to learn fire prevention and control under controlled conditions. Typically, students learn about the organization, rules, requirements, and regulations of fire departments; study and practice the tools and techniques used by firefighters to control or extinguish fires; and examine the behavior of fires. These courses also usually include emergency medical procedures and present fire investigation techniques. (Available SY 2011-.)

### **15198A001 Fire Management Workplace Experience**

**CTE Course**

Fire Management Workplace Experience courses provide work experience in fields related to fire management. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **15197A000 Fire Management—Independent Study**

Fire Management—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related fire management. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **15199A000 Fire Management—Other**

Other Fire Management courses. (Available SY 2011-.)

### **15198A000 Fire Management—Workplace Experience**

Fire Management—Workplace Experience courses provide work experience in fields related to fire management. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **15151A000 Fire Science**

Fire Science courses introduce students to the field of fire prevention and control and enable them to extend their knowledge through the use of chemical, physical, and engineering principles to understand factors involved in fires. Course topics typically include the chemistry of combustion, factors that influence fire (such as structural design and meteorology), and safety procedures. (Available SY 2011-.)

#### **15151A001 Fire Science**

**CTE Course**

Fire Science courses introduce students to the field of fire prevention and control and enable them to extend their knowledge through the use of chemical, physical, and engineering principles to understand factors involved in fires. Course topics typically include the chemistry of combustion, factors that influence fire (such as structural design and meteorology), and safety procedures. (Available SY 2020-.)

#### **15152A001 Fire-Fighting I**

**CTE Course**

This course is designed to provide students with the skills needed to prevent and extinguish fires, maintain and repair fire service related equipment, provide basic emergency medical treatment, and prepare public service information concerning fires and hazardous materials. Instruction includes the physical characteristics of fire as well as general safety practices, basic fire behavior, and extinguishing principles. Students learn rescue and extrication procedures, types and use of ground ladders, proper ventilation techniques, and appropriate use of various water supply systems, and how to use ropes and tie knots. Students also learn basic emergency medical techniques and practices which include medical legal considerations, terminology, airway management, patient assessment and transportation, and emergency treatment. (Available SY 2011-.)

**15152A002 Fire-Fighting II****CTE Course**

This course builds on the concepts and skills introduced in Fire-Fighter I. Instruction is provided in the use fire hoses, controlling property loss along with fire control techniques, detection systems, and prevention practices. Instruction includes communication procedures, procedures for operating emergency vehicles, maintaining fire-related equipment and vehicles, and securing and protecting evidence. Students may learn procedures for treating poisonings and allergic reactions, environmental emergencies, and hazardous waste removal, as well as how to treat soft tissue, musculoskeletal, and head and spine injuries. (Available SY 2011-.)

**15055A000 Forensic Science**

Forensic Science courses provide an overview of the theoretical understanding and practical application of forensic science techniques. These courses explore the applied science and the fields of biology, chemistry, physics, and crime science investigation. Topics typically covered may include genetics, anthropology, toxicology, entomology, ballistics, pathology, computer forensics, fire debris and trace evidence among others. (Available SY 2021-.)

**15055A001 Forensic Science****CTE Course**

Forensic Science courses provide an overview of the theoretical understanding and practical application of forensic science techniques. These courses explore the applied science and the fields of biology, chemistry, physics, and crime science investigation. Topics typically covered may include genetics, anthropology, toxicology, entomology, ballistics, pathology, computer forensics, fire debris and trace evidence among others. (Available SY 2021-.)

**15248A002 Government & Public Administration Workplace Experience****CTE Course**

Government & Public Administration Workplace Experience courses provide work experience in fields related to the Government & Public Administration cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

## **15248A001 Government Service Workplace Experience**

## **CTE Course**

Government Service?Workplace Experience courses provide work experience in fields related to government service. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

## **15247A000 Government Service—Independent Study**

Government Service—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related the provision of government services. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

## **15249A000 Government Service—Other**

Other Government Service courses. (Available SY 2011-.)

## **15248A000 Government Service—Workplace Experience**

Government Service—Workplace Experience courses provide work experience in fields related to government service. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

## **15054A000 Law Enforcement**

Law Enforcement courses provide an overview of the history, organization, and functions of local, state, and federal law enforcement and foundational skills necessary to fulfill law enforcement duties. Course topics vary and may include, but are not limited to, the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, physical fitness, self-defense, and skill necessary to fulfill law enforcement duties. Advanced courses may explore

specific types of crimes, ethical and legal responsibilities, crime scene investigations, emergency medical procedures, use of force, and prisoner transport. (Available SY 2021-.)

### **15054A001 Law Enforcement I**

### **CTE Course**

This course is designed to prepare students to enter the fields of law enforcement and the criminal justice system. Instruction includes the history of law enforcement and the legal system, report writing and record-keeping, criminal investigation techniques, and routine police procedures. Students learn how to use communications and dispatch equipment, perform proper search and seizure techniques, conduct basic criminal investigations, and execute correct pursuit and arrest procedures. Instruction also includes patrolling techniques, private security operations, traffic investigations, and community relations. (Available SY 2021-.)

### **15051A003 Law Enforcement I**

### **CTE Course**

This course is designed to prepare students to enter the fields of law enforcement and the criminal justice system. Instruction includes the history of law enforcement and the legal system, report writing and recordkeeping, criminal investigation techniques, and routine police procedures. Students learn how to use communications and dispatch equipment, perform proper search and seizure techniques, conduct basic criminal investigations, and execute correct pursuit and arrest procedures. Instruction also includes patrolling techniques, private security operations, traffic investigations, and community relations. (Available SY 2011-2020.)

### **15051A004 Law Enforcement II**

### **CTE Course**

This course provides experiences for students in basic investigative techniques for crimes against people and property. Learning activities emphasize the development of more advanced knowledge and skill than those provided in Law Enforcement I. Units of instruction include how to conduct a preliminary investigation and protect a crime scene, collect and preserve physical evidence including dusting latent prints, casting, fingerprint classification, and the use of portable crime laboratory equipment. Students learn how to conduct interviews, complete police reports, use police equipment, and testify in court. Instruction also includes traffic control, personal security, and law enforcement administration. (Available SY 2011-2020.)

### **15054A002 Law Enforcement II**

### **CTE Course**

This course provides experiences for students in basic investigative techniques for crimes against people and property. Learning activities emphasize the development of more advanced knowledge and skill than those provided in Law Enforcement I. Units of instruction include how to conduct a preliminary investigation and protect a crime scene, collect and preserve physical evidence including dusting latent prints, casting, fingerprint classification, and the use of portable crime laboratory equipment. Students learn how to conduct interviews, complete police reports,



use police equipment, and testify in court. Instruction also includes traffic control, personal security, and law enforcement administration. (Available SY 2021-.)

### **15098A001 Law Enforcement Workplace Experience**

**CTE Course**

Law Enforcement Workplace Experience courses provide work experience in fields related to law enforcement. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **15097A000 Law Enforcement—Independent Study**

Law Enforcement—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to law enforcement. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **15099A000 Law Enforcement—Other**

Other Law Enforcement courses. (Available SY 2011-.)

### **15098A000 Law Enforcement—Workplace Experience**

Law Enforcement—Workplace Experience courses provide work experience in fields related to law enforcement. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **15998A001 Law, Public Safety, Corrections & Security Workplace Experience** **CTE Course**

Law, Public Safety, Corrections & Security Workplace Experience courses provide work experience in fields related to the Law, Public Safety, Corrections & Security cluster. Goals must

be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

### **15153A000 Particular Topics in Fire Management**

These courses examine specific topics related to fire management (such as hazardous materials handling), rather than provide a general study of the field. (Available SY 2011-.)

### **15053A000 Particular Topics in Law Enforcement**

These courses examine specific topics related to law enforcement (such as juvenile justice), rather than provide a general study of the field. (Available SY 2011-.)

### **15103A000 Particular Topics in Security**

These courses examine specific topics related to security and protective services, rather than provide a general study. (Available SY 2011-.)

### **15201A000 Public Administration**

Public Administration courses provide an overview of the structure, roles, and duties of public governments and associated agencies. These courses explore the foundation and evolution of the public service sector, issues related to the provision of services by governmental bodies, and the missions and constraints of various departments within local and state, and the federal government. In addition, students may explore a particular public administration topic (such as the tax base and structure, the legislative process, selection of public servants, resource management, and so on) in greater detail. (Available SY 2011-.)

#### **15201A001 Public Administration**

**CTE Course**

Public Administration courses provide an overview of the structure, roles, and duties of public governments and associated agencies. These courses explore the foundation and evolution of the public service sector, issues related to the provision of services by governmental bodies, and the missions and constraints of various departments within local and state, and the federal

government. In addition, students may explore a particular public administration topic (such as the tax base and structure, the legislative process, selection of public servants, resource management, and so on) in greater detail. (Available SY 2020-.)

### **15202A002 Public Health**

### **CTE Course**

Public Health courses provide students with knowledge and understanding of careers in the public health arena. Students will learn historical and contemporary public health stories to understand the systems, careers, tools, and skills associated with the public health enterprise. Additional topics may include disease prevention and containment; health literacy; health policy; and social, economic, environmental, and geographical impacts on public health. (Available SY 2020-.)

### **15203A000 Public Policy**

Public Policy courses provide students with the opportunity to design, propose, and analyze programs and policies implemented by government agencies. Activities typically include identifying social issues and problems, generating recommendations, using data to quantify the extent of a problem or evaluate its solution, communicating ideas and findings, and understanding decisionmaking processes. (Available SY 2011-.)

### **15203A001 Public Policy**

### **CTE Course**

Public Policy courses provide students with the opportunity to design, propose, and analyze programs and policies implemented by government agencies. Activities typically include identifying social issues and problems, generating recommendations, using data to quantify the extent of a problem or evaluate its solution, communicating ideas and findings, and understanding decision-making processes. (Available SY 2021-.)

### **15101A000 Public Safety**

Public Safety courses introduce students to the field of public safety and extend their knowledge and skills pertaining to the safety and security of homes, workplaces, and the community. These courses cover such topics as policing, law enforcement, emergency service, and private security and corrections and may cover all or a subset of these services. (Available SY 2011-.)

### **15101A001 Public Safety**

### **CTE Course**

Public Safety courses introduce students to the field of public safety and extend their knowledge and skills pertaining to the safety and security of homes, workplaces, and the community. These

courses cover such topics as policing, law enforcement, emergency service, and private security and corrections and may cover all or a subset of these services. (Available SY 2021-.)

### **15104A000 Public Safety Telecommunications**

Public Safety Telecommunications courses provide students with the skills and knowledge necessary to obtain national certification in Public Safety Telecommunications and/or employment as a 911 telecommunicator. Course content may include, but is not limited to, understanding standard federal, state, and local telecommunication operating procedures; functions, terminology, and types of telecommunication equipment; malfunctions and maintenance agreements; proper and correct telephone and dispatching procedures and techniques; emergency situations and operating procedures; and emergency medical dispatch procedures. (Available SY 2021-.)

### **15104A001 Public Safety Telecommunications**

**CTE Course**

Public Safety Telecommunications courses provide students with the skills and knowledge necessary to obtain national certification in Public Safety Telecommunications and/or employment as a 911 telecommunicator. Course content may include, but is not limited to, understanding standard federal, state, and local telecommunication operating procedures; functions, terminology, and types of telecommunication equipment; malfunctions and maintenance agreements; proper and correct telephone and dispatching procedures and techniques; emergency situations and operating procedures; and emergency medical dispatch procedures. (Available SY 2021-.)

### **65999A000 Public, Protective, and Government Services – Other**

(Available SY 2012-2023.)

### **65997A000 Public, Protective, and Government Service – Independent Study**

Public, Protective, and Government Service-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to public, protective, and government service. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **15995A000 Public, Protective, and Government Service—Aide**

Public, Protective, and Government Service—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

### **15997A000 Public, Protective, and Government Service—Independent Study**

Public, Protective, and Government Service—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to public, protective, and government service. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **15999A000 Public, Protective, and Government Service—Other**

Other Public, Protective, and Government Service courses. (Available SY 2011-.)

### **15998A000 Public, Protective, and Government Service—Workplace Experience**

Public, Protective, and Government Service—Workplace Experience courses provide students with work experience in a field related to public, protective, and/or government service. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **15148A001 Security and Protection Workplace Experience**

**CTE Course**

Security and Protection Workplace Experience courses provide work experience in fields related to security and protection. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **15147A000 Security and Protection—Independent Study**

Security and Protection—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related the security and protection of the public. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **15149A000 Security and Protection—Other**

Other Security and Protection courses. (Available SY 2011-.)

### **15148A000 Security and Protection—Workplace Experience**

Security and Protection—Workplace Experience courses provide work experience in fields related to security and protection. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **15051A005 Security I**

**CTE Course**

This course is designed to prepare students to enter the fields of law enforcement and the criminal justice system. Instruction includes the history of law enforcement and the legal system, report writing and recordkeeping, criminal investigation techniques, and routine police procedures. Students learn how to use communications and dispatch equipment, perform proper search and seizure techniques, conduct basic criminal investigations, and execute correct pursuit and arrest procedures. Instruction also includes patrolling techniques, private security operations, traffic investigations, and community relations. (Available SY 2011-2020.)

### **15051A006 Security II**

**CTE Course**

This course provides learning activities to assist students in understanding the differences and similarities between the criminal justice system and security and protective services, incident response techniques, crime prevention, security operations, and crime in the workplace. Learning activities emphasize the development of more advanced knowledge and skill than those provided in Security I. (Available SY 2011-2020.)

**15102A000 Security Services**

Security Services courses provide instruction regarding the safety and security of (1) people, (2) personal property, (3) intellectual property, and (4) buildings and facilities. (Available SY 2011-.)

**15102A001 Security Services****CTE Course**

Security Services courses provide instruction regarding the safety and security of buildings and facilities and may extend these lessons to include the security and safety of one's self and other human beings. (Available SY 2020-.)

## **16 Hospitality and Tourism**

### **16056A000 Culinary Art Specialty**

Culinary Art Specialty courses provide instruction in a particular type of cooking or culinary style. Examples of such specialty fields include baking, creating and decorating wedding cakes, Middle Eastern cuisine, and so on. These courses emphasize skills specific to the type of culinary art being studied. (Available SY 2011-.)

### **16056A001 Culinary Art Specialty**

**CTE Course**

Culinary Art Specialty courses provide instruction in a particular type of cooking or culinary style. Examples of such specialty fields include baking, creating and decorating wedding cakes, Middle Eastern cuisine, and so on. These courses emphasize skills specific to the type of culinary art being studied. (Available SY 2020-.)

### **16052A001 Culinary Occupations I**

**CTE Course**

This course provides terminology, culinary math, and practical experiences needed for the development of culinary competencies and workplace skills. Safety and sanitation instruction and classroom application will prepare students for an industry recognized sanitation exam. Classroom experiences will develop skills to work in the front of the house, back of the house, and work stations. Additional content may include: event planning, customer service and relations, food service styles, baking and pastry arts, hors d'oeuvres, and breakfast cookery. Students will be provided opportunity training experiences on commercial equipment. (Available SY 2011-.)

### **16055A001 Culinary Occupations II**

**CTE Course**

Culinary Occupations II places special emphasis for students to develop operational management skills-including design and organization of food service systems in a variety of settings, human relations, and personnel training and supervision. Additional topics include: food cost accounting; taking inventory; advertising; monitoring consumer and industry trends; and individualized mastery of culinary techniques. Training experiences involve equipment and facilities simulating those found in business and industry. (Available SY 2011-.)

### **16154A000 Eco-tourism**

Eco-tourism courses provide the knowledge and skills necessary to work in the travel industry, with particular attention paid to conservation and environmental issues surrounding travel and



tourism. Topics covered may include recreational opportunities related to on- and off-site attractions and environmental and ecological principles. (Available SY 2011-.)

**16154A001 Eco-tourism**

**CTE Course**

Eco-tourism courses provide the knowledge and skills necessary to work in the travel industry, with particular attention paid to conservation and environmental issues surrounding travel and tourism. Topics covered may include recreational opportunities related to on- and off-site attractions and environmental and ecological principles. (Available SY 2020-.)

**16001A000 Exploration of Hospitality Careers**

Exploration of Hospitality Careers courses survey a wide array of topics while exposing students to the variety of career opportunities in hospitality fields (such as food service, lodging, tourism, and recreation). These courses serve to introduce students to the general field of hospitality, providing an opportunity to identify a focus for continued study. (Available SY 2011-.)

**16001A001 Exploration of Hospitality Careers**

**CTE Course**

Exploration of Hospitality Careers courses survey a wide array of topics while exposing students to the variety of career opportunities in hospitality fields (such as food service, lodging, tourism, and recreation). These courses serve to introduce students to the general field of hospitality, providing an opportunity to identify a focus for continued study. (Available SY 2019-.)

**66001A000 Exploration of Hospitality Careers (prior-to-secondary)**

Exploration of Hospitality Careers courses surveys a wide array of topics while exposing students to the variety of career opportunities in hospitality fields (such as food service, lodging, tourism, and recreation). These courses introduce students to the general field of hospitality, providing an opportunity to identify a focus for continued study. (Available SY 2012-2023.)

**16101A000 Exploration of Lodging Careers**

Exploration of Lodging Careers courses provide an overview of the lodging industry. Topics covered include lodging terminology, the history of lodging, introduction to marketing, and the various careers available in the lodging industry. (Available SY 2011-.)

**16101A001 Exploration of Lodging Careers**

**CTE Course**

Exploration of Lodging Careers courses provide an overview of the lodging industry. Topics covered include lodging terminology, the history of lodging, introduction to marketing, and the various careers available in the lodging industry. (Available SY 2020-.)

### **16201A000 Exploration of Recreation, Amusement and Attractions**

Exploration of Recreation, Amusement, and Attractions courses provide an overview of the recreation industry. Topics covered in this course may include industry terminology; the history of recreation, amusement, and attractions; introduction to marketing; and the various careers available in the industry. (Available SY 2011-.)

### **16201A001 Exploration of Recreation, Amusement and Attractions**

**CTE Course**

Exploration of Recreation, Amusement, and Attractions courses provide an overview of the recreation industry. Topics covered in this course may include industry terminology; the history of recreation, amusement, and attractions; introduction to marketing; and the various careers available in the industry. (Available SY 2019-.)

### **16051A000 Exploration of Restaurant, Food and Beverage Services**

Exploration of Restaurant, Food, and Beverage Services courses provide students with an overview of the restaurant, food, and beverage service industry. Topics covered include industry terminology, the history of restaurant, food, and beverage services, introduction to marketing, and the various careers available in the industry. (Available SY 2011-.)

### **16051A001 Exploration of Restaurant, Food and Beverage Services**

**CTE Course**

Exploration of Restaurant, Food, and Beverage Services courses provide students with an overview of the restaurant, food, and beverage service industry. Topics covered include industry terminology, the history of restaurant, food, and beverage services, introduction to marketing, and the various careers available in the industry. (Available SY 2020-.)

### **16103A001 Facilities Planning and Management Services**

**CTE Course**

This course focuses on strategic workplace and facility planning and prepares individuals to function as facility and event managers and workplace consultants. Instruction includes the following: principles of aesthetic and functional design; environmental psychology and organizational behavior; real estate planning; principles of occupational health and safety; event planning and management; operations management; and applicable regulatory and policy issues. (Available SY 2020-.)

### **16053A000 Food Service**

Food Service courses provide students with instruction regarding nutrition, principles of healthy eating, and the preparation of food. Among the topics covered are large-scale meal preparation, preserving nutrients throughout the food preparation process, use and care of commercial cooking equipment, food storage, advances in food technology, safety, sanitation, management, production, service skills, menu planning, the operation of institutional food establishments and the careers available in the food service industry. (Available SY 2011-.)

### **16053A001 Food Service**

### **CTE Course**

Food Service courses provide instruction regarding nutrition, principles of healthy eating, and the preparation of food. Among the topics covered are large-scale meal preparation, preserving nutrients throughout the food preparation process, use and care of commercial cooking equipment, food storage, advances in food technology, sanitation, management, and the careers available in the food service industry. (Available SY 2020-.)

### **16998A001 Hospitality & Tourism Workplace Experience**

### **CTE Course**

Hospitality & Tourism Workplace Experience courses provide work experience in fields related to the Hospitality & Tourism cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

### **66997A000 Hospitality and Tourism – Independent Study**

Hospitality and Tourism-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within the hospitality and tourism industry. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **66999A000 Hospitality and Tourism – Other**

(Available SY 2012-2023.)

### **16995A000 Hospitality and Tourism—Aide**

Hospitality and Tourism—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

### **16997A000 Hospitality and Tourism—Independent Study**

Hospitality and Tourism—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within the hospitality and tourism industry. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **16999A000 Hospitality and Tourism—Other**

Other Hospitality and Tourism courses. (Available SY 2011-.)

### **16998A000 Hospitality and Tourism—Workplace Experience**

Hospitality and Tourism—Workplace Experience courses provide work experience in fields related to hospitality and tourism. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **16103A000 Institutional Maintenance**

Institutional Maintenance courses present the knowledge and skills required for service work within institutions. Topics covered typically include housekeeping and laundry services, care and cleaning of facilities, and safety and sanitation procedures, in addition to career opportunities, business responsibilities, and other types of ongoing maintenance. (Available SY 2011-.)

### **16151A000 Introduction to Travel and Tourism**

Introduction to Travel and Tourism courses provide an overview of the travel and tourism industry. Topics covered in this course may include travel and tourism terminology, the history of travel,

introduction to marketing, and the various careers available in travel and tourism. (Available SY 2011-.)

### **16151A001 Introduction to Travel and Tourism**

**CTE Course**

Introduction to Travel and Tourism courses provide an overview of the travel and tourism industry. Topics covered in this course may include travel and tourism terminology, the history of travel, introduction to marketing, and the various careers available in travel and tourism. (Available SY 2020-.)

### **16102A001 Lodging Occupations**

**CTE Course**

Lodging Occupations introduces students to the lodging industry and refine their related knowledge and skills. Topics covered typically include property management, guest psychology and relationships, lodging operations, food and beverage services, and other topics related to support services within the lodging industry. (Available SY 2020-.)

### **16148A001 Lodging Workplace Experience**

**CTE Course**

Lodging Workplace Experience courses provide work experience in fields related to lodging. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **16102A000 Lodging—Comprehensive**

Lodging—Comprehensive courses introduce students to the lodging industry and refine their related knowledge and skills. Topics covered typically include property management, guest psychology and relationships, lodging operations, food and beverage services, and other topics related to support services within the lodging industry. (Available SY 2011-.)

### **16147A000 Lodging—Independent Study**

Lodging—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within the lodging industry. Independent Study courses may

serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **16149A000 Lodging—Other**

Other Lodging courses. (Available SY 2011-.)

### **16148A000 Lodging—Workplace Experience**

Lodging—Workplace Experience courses provide work experience in fields related to lodging. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **16054A001 Nutrition and Culinary Arts I**

**CTE Course**

This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition for people of all ages. Course content encompass: food service and preparation management using the decision-making process; meeting basic needs by applying nutrition concepts; meeting health, safety, and sanitation requirements; maximizing resources when planning/preparing/preserving/serving food; applying hospitality skills; analyzing nutritional needs in relation to change; and careers in nutrition and culinary arts, including entrepreneurship investigation. (Available SY 2011-.)

### **16054A002 Nutrition and Culinary Arts II**

**CTE Course**

Nutrition and Culinary Arts II provides principles of application into the hospitality industry, including nutrition, culinary, and entrepreneurial opportunities. Course content includes the following: selection, purchase, preparation, and conservation of food, dietary needs and trends, regional & international cuisine, safety and sanitation, and careers in food service industries. All of these concepts can be interpreted through laboratory experiences. (Available SY 2011-.)

### **16054A000 Nutrition and Food Preparation**

Nutrition and Food Preparation courses provide students with knowledge and skills related to commercial food preparation and/or production, with a strong emphasis on nutrition, balanced diets, and satisfying special dietary needs. Topics typically include assessing nutrient content, the science of food and nutrition, physiology and utilization of nutrients. Course content may also cover additives, contaminants, food-borne illnesses, and food technology. (Available SY 2011-.)

**16054A003 Nutrition and Wellness Occupations****CTE Course**

This course will concentrate on expanding student's knowledge and experiences with nutrition concepts, food science, and healthy lifestyles. Nutritional analysis, nutrient functions, food allergies, diet and disease, menu analysis, energy and wellness, meal planning & management, nutritional needs across the life span, impacts of science and technology on nutrition and wellness issues, and food safety and sanitation management are topics covered in this course through theory, projects, and laboratory experiences. Students will gain experience in preparing a variety of communications to teach the importance nutrition and wellness. (Available SY 2011-2020.)

**16104A000 Particular Topics in Lodging**

These courses examine specific topics in lodging such as convention planning or hotel management rather than provide a general study of the industry or of specific topics already described. (Available SY 2011-.)

**16203A000 Particular Topics in Recreation, Amusement and Attractions**

These courses examine specific topics in recreation, amusement, and attractions such as local opportunities rather than provide a general study of the industry. (Available SY 2011-.)

**16057A000 Particular Topics in Restaurant, Food and Beverage Services**

These courses examine specific topics related to Restaurant, Food, and Beverage Services, such as catering, rather than provide a general study of the industry or of specific topics already described. (Available SY 2011-.)

**16155A000 Particular Topics in Travel and Tourism**

These courses examine specific topics in travel and tourism such as the airline reservation and ticketing system rather than provide a general study of the industry or of specific topics already described. (Available SY 2011-.)

**16202A001 Recreation, Amusement and Attractions****CTE Course**

Recreation, Amusement, and Attractions courses provide students with the attitudes, skills, and knowledge needed for employment in theme parks, attractions and outdoor recreation facilities, exhibitions, and event planning. Topics covered may include planning trade shows, fairs, and conferences; outdoor recreation and management; financial transactions; salesmanship; guest

services and satisfaction; culture and customs; computer and industry technology; eco-tourism; client information; and planning specialized events while incorporating themes, timelines, budgets, target audiences, agendas, and public relations. (Available SY 2020-.)

### **16248A001 Recreation, Amusement and Attractions Workplace Experience      CTE Course**

Recreation, Amusement, and Attractions Workplace Experience courses provide work experience in fields related to recreation, amusement, and attractions. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **16202A000 Recreation, Amusement and Attractions—Comprehensive**

Recreation, Amusement, and Attractions—Comprehensive courses provide students with the attitudes, skills, and knowledge needed for employment in theme parks, attractions and outdoor recreation facilities, exhibitions, and event planning. Topics covered may include planning trade shows, fairs, and conferences; outdoor recreation and management; financial transactions; salesmanship; guest services and satisfaction; culture and customs; computer and industry technology; eco-tourism; client information; and planning specialized events while incorporating themes, timelines, budgets, target audiences, agendas, and public relations. (Available SY 2011-.)

### **16247A000 Recreation, Amusement and Attractions—Independent Study**

Recreation, Amusement, and Attractions—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within the recreation, amusement, and attractions industry. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **16249A000 Recreation, Amusement and Attractions—Other**

Other Recreation, Amusement and Attractions courses. (Available SY 2011-.)



### **16248A000 Recreation, Amusement and Attractions—Workplace Experience**

Recreation, Amusement, and Attractions—Workplace Experience courses provide work experience in fields related to recreation, amusement, and attractions. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **16204A000 Recreation, Amusement, and Attractions Management**

Recreation, Amusement, and Attractions Management courses teach students about the development and management of recreational areas and parks and cover the economic and environmental impact of tourism. These courses may also emphasize career skills relative to the outdoor parks, recreation, and tourism industries. (Available SY 2021-.)

### **16204A001 Recreation, Amusement, and Attractions Management**

**CTE Course**

Recreation, Amusement, and Attractions Management courses teach students about the development and management of recreational areas and parks and cover the economic and environmental impact of tourism. These courses may also emphasize career skills relative to the outdoor parks, recreation, and tourism industries. (Available SY 2021-.)

### **16055A000 Restaurant Management and Operations**

Restaurant Management and Operations courses provide students with knowledge and skills related to commercial and institutional food service establishments, with an emphasis on management. Course topics therefore include guest service and relationships, planning, resource management, and other topics related to managing and operating restaurants. (Available SY 2011-.)

### **16098A001 Restaurant, Food and Beverage Services Workplace Experience**

**CTE Course**

Restaurant, Food, and Beverage Services Workplace Experience courses provide work experience in fields related to restaurant, food, and beverage services. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology

programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **16052A000 Restaurant, Food and Beverage Services—Comprehensive**

Restaurant, Food, and Beverage Services—Comprehensive courses provide students with knowledge and skills related to commercial and institutional food service establishments. Course topics range widely, but usually include sanitation and safety procedures, nutrition and dietary guidelines, food preparation (and quantity food production), and meal planning and presentation. Restaurant, Food, and Beverage Service courses may include both “back-of-the-house” and “front-of-the-house” experiences, and may therefore also cover reservation systems, customer service, and restaurant/business management. (Available SY 2011-.)

### **16097A000 Restaurant, Food and Beverage Services—Independent Study**

Restaurant, Food, and Beverage Services—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within the restaurant, food, and beverage services industry. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **16099A000 Restaurant, Food and Beverage Services—Other**

Other Restaurant, Food and Beverage Service courses. (Available SY 2011-.)

### **16098A000 Restaurant, Food and Beverage Services—Workplace Experience**

Restaurant, Food, and Beverage Services—Workplace Experience courses provide work experience in fields related to restaurant, food, and beverage services. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **16152A001 Travel and Tourism**

### **CTE Course**

Travel and Tourism courses provide the knowledge and skills necessary to work in the travel industry such as sales techniques, marketing principles, and entrepreneurial skills. Additional skills learned in these courses typically include travel agency procedures, airline reservation systems, public relations, hotel/motel registration systems and services, and conference and convention planning. (Available SY 2020-.)

## **16198A001 Travel and Tourism Workplace Experience**

## **CTE Course**

Travel and Tourism Workplace Experience courses provide work experience in fields related to travel and tourism. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

## **16152A000 Travel and Tourism—Comprehensive**

Travel and Tourism—Comprehensive courses provide the knowledge and skills necessary to work in the travel industry such as sales techniques, marketing principles, and entrepreneurial skills. Additional skills learned in these courses typically include travel agency procedures, airline reservation systems, public relations, hotel/motel registration systems and services, and conference and convention planning. (Available SY 2011-.)

## **16197A000 Travel and Tourism—Independent Study**

Travel and Tourism—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within the travel and tourism industry. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

## **16199A000 Travel and Tourism—Other**

Other Travel and Tourism courses. (Available SY 2011-.)

## **16198A000 Travel and Tourism—Workplace Experience**

Travel and Tourism—Workplace Experience courses provide work experience in fields related to travel and tourism. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as

well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **16153A000 World Travel and Tourism**

World Travel and Tourism courses provide the knowledge and skills necessary to work in the travel industry, with a focus on travel outside of the United States. Topics covered may include geography of the continents; customs, cultures, and tourist destinations in other countries; special documentation needed for international travel; and planning events to client specifications. (Available SY 2011-.)

### **16153A001 World Travel and Tourism**

### **CTE Course**

World Travel and Tourism courses provide the knowledge and skills necessary to work in the travel industry, with a focus on travel outside of the United States. Topics covered may include geography of the continents; customs, cultures, and tourist destinations in other countries; special documentation needed for international travel; and planning events to client specifications. (Available SY 2020-.)

## **17 Architecture and Construction**

### **17051A000 Air Conditioning**

Air Conditioning courses offer students specialized training related to the design, installation, and repair of air conditioning systems for residential and commercial use. These courses may emphasize the theory and design of electrical, electronic, mechanical, and pneumatic control systems used in air conditioning systems. They might also (or instead) focus on procedures used in troubleshooting, servicing, and installing electric, gas, and ground source components of air conditioning systems. (Available SY 2011-.)

### **17097A000 Air Conditioning, Heating and Plumbing—Independent Study**

Air Conditioning, Heating, and Plumbing—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to air conditioning, heating and plumbing. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **17099A000 Air Conditioning, Heating and Plumbing—Other**

Other Air Conditioning, Heating and Plumbing courses. (Available SY 2011-.)

### **17098A000 Air Conditioning, Heating and Plumbing—Workplace Experience**

Air Conditioning, Heating, and Plumbing—Workplace Experience courses provide work experience in a field related to air conditioning, heating, and/or plumbing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **17055A000 Air Conditioning, Heating, and Refrigeration**

In Air Conditioning, Heating, and Refrigeration courses, students learn the basic principles of these systems, along with how to identify and safely use tools/equipment used in the trade. (Available SY 2011-.)

### **17054A000 Air Conditioning/Refrigeration**

Air Conditioning/Refrigeration courses enable students to develop the combined skills and knowledge to install, maintain, adjust, and repair both air conditioning and refrigeration systems. (Available SY 2011-.)

### **17110A000 Analog and Digital Circuits**

In these courses, analog and digital circuits and systems are compared. Topics covered include binary and continuously variable currents and signals (typically in the context of voltage), waveforms, signal loss and distortion, modulation, and signal processing. These courses may also introduce other media, such as sound waves and liquids. (Available SY 2011-.)

### **17111A000 Analog Circuits**

Analog Circuit courses emphasize currents and voltages that have continuously variable signals and, due to that emphasis, concentrate on signal modulation, transmission and reception, signal loss and distortion, and waveforms. These courses may also address conversion techniques. (Available SY 2011-.)

### **17998A003 Architecture & Construction Workplace Experience**

**CTE Course**

Architecture & Construction Workplace Experience courses provide work experience in fields related to the Architecture & Construction cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

### **67997A000 Architecture and Construction – Independent Study**

Architecture and Construction-Independent Study courses, often conducted with instructors as mentors, enable students to explore architecture and construction-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **67999A000 Architecture and Construction – Other**

(Available SY 2012-2023.)

### **17995A000 Architecture and Construction—Aide**

Architecture and Construction—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

### **17997A000 Architecture and Construction—Independent study**

Architecture and Construction—Independent Study courses, often conducted with instructors as mentors, enable students to explore architecture and construction-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **17999A000 Architecture and Construction—Other**

Other Architecture and Construction courses. (Available SY 2011-.)

### **17998A000 Architecture and Construction—Workplace Experience**

Architecture and Construction—Workplace Experience courses provide students with work experience in a field related to architecture or construction. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **17007A003 Beginning Cabinetmaking**

**CTE Course**

Beginning Cabinetmaking course provides students with experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn how to use various woodworking machines and power tools for cutting and shaping wood. This course can cover the different methods of joining pieces of wood, how to use mechanical fasteners, and how to attach hardware. (Available SY 2012-.)

**17001A001 Beginning Construction****CTE Course**

Beginning Construction course expose students to the opportunities available in construction-related trades, such as carpentry, masonry, air conditioning/refrigeration, plumbing, and so on. Students learn about the processes involved in construction projects and may engage in a variety of small projects. (Available SY 2012-.)

**17102A005 Beginning Electricity****CTE Course**

Beginning Electricity—course provides a survey of the theory, terminology, equipment, and practical experience in the skills needed for careers in the electrical field. This courses typically include AC and DC circuitry, safety, and the National Electrical Code and may cover such skills as those involved in building circuits; wiring residential, installing lighting, power circuits, and cables. (Available SY 2012-.)

**17009A001 Building Maintenance I****CTE Course**

This course includes learning experiences and skills in servicing building systems, repair and maintenance of machinery, maintaining plumbing systems, minor electrical repairs, essential heating ventilation and air conditioning system maintenance, painting, and basic carpentry. These experiences provide students the opportunity to become knowledgeable in a variety of practices and skills associated with all trades necessary to maintain a building's daily operations that are repair-related. The Building Maintenance I course provides instruction and hands-on activities including the use of test equipment and tools, hand tools, basic electricity, carpentry and masonry skills. (Available SY 2011-.)

**17009A002 Building Maintenance II****CTE Course**

This course provides learning experiences and skills related to servicing building systems, repairing and maintenance of machinery, maintaining plumbing systems, minor electrical repairs, essential heating ventilation and air conditioning system maintenance, painting and basic carpentry. These experiences provide students the opportunity to become knowledgeable in a variety of practices and skills associated with all trades necessary to maintain a building's daily operations that are repair-related. Planned learning activities should emphasize the development of more advanced knowledge and skills than those provided in Building Maintenance I. Students are instructed in areas of safety including hand tool, power tool, ladder, scaffolding, and the use of safety harnesses. Additional instruction is provided in drywall installation and repair, maintenance painting, tile setting and repair, and basic masonry repair. Students demonstrate knowledge of technology-related mathematics, reading, writing, vocabulary, blueprint reading, and science as these are integrated throughout the curriculum. (Available SY 2011-.)



**17998A001 Building Maintenance Workplace Experience****CTE Course**

Building Maintenance Workplace Experience courses provide students with work experience in a field related to architecture or construction. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

**17009A000 Building Repair and Maintenance**

Formerly known as Building Maintenance, Building Repair and Maintenance courses train students to maintain commercial, industrial, and residential buildings and homes. Instruction is provided in the basic maintenance and repair of air conditioning, heating, plumbing, electrical, and other mechanical systems. Topics covered may include identifying and using hand and power tools safely; installing and repairing floor coverings, walls, and ceilings; installing and repairing doors, windows, screens, and cabinets; applying finishes to prepared surfaces; and repairing roofs, masonry, plumbing, and electrical systems. (Available SY 2011-.)

**17007A000 Cabinetmaking**

Cabinetmaking courses provide students with experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood. Cabinetmaking courses cover the different methods of joining pieces of wood, how to use mechanical fasteners, and how to attach hardware. Initial topics may resemble those taught in Woodworking courses; more advanced topics may include how to install plastic laminates on surfaces and how to apply spray finishes. (Available SY 2011-.)

**17007A001 Cabinetmaking & Millwork I****CTE Course**

This course introduces students to the basic design and fabrication of residential cabinetry and custom furniture. The course also exposes students to the millwork and millwright industry. Instruction includes safety practices in using hand tools and power equipment. (Available SY 2011-.)

## **17007A002 Cabinetmaking & Millwork II**

## **CTE Course**

This course provides learning experiences related to the erection, installation, and maintenance of commercial and residential cabinetry, and the repair and maintenance of stationary woodworking machinery. Planned learning activities emphasize the development of more advanced knowledge and skills than those provided in Cabinetmaking and Millwork I. This course provides the student with the knowledge and skills necessary to perform basic cabinetry construction and how it relates to the manufacturing process. In addition, more advanced woodworking machine maintenance skills are introduced. (Available SY 2011-.)

## **17003A000 Carpentry**

Carpentry courses provide information related to the building of wooden structures, enabling students to gain an understanding of wood grades and construction methods and to learn skills such as laying sills and joists; erecting sills and rafters; applying sheathing, siding, and shingles; setting door jambs; and hanging doors. Carpentry courses may teach skills for rough construction, finish work, or both. Students learn to read blueprints, draft, use tools and machines properly and safely, erect buildings from construction lumber, perform finish work inside of buildings, and do limited cabinet work. Carpentry courses may also include career exploration, good work habits, and employability skills. (Available SY 2011-.)

## **17003A001 Carpentry I**

## **CTE Course**

This course is designed to introduce students to the Carpentry/Carpenter occupation. Students are instructed in areas of safety, including hand tool, power tool, ladder, scaffolding and the use of safety harnesses. Students are introduced to the theoretical knowledge needed to lay out rafter, stairs, and basic framing techniques. Students demonstrate knowledge of blueprint reading, including foundations, concrete, floor plans, specification schedules, and electrical, plumbing and mechanical symbols. Students demonstrate entry-level skills in all facets of residential construction. Technology-related mathematics, reading, writing, vocabulary, blueprint reading, and science are integrated throughout the curriculum. (Available SY 2011-.)

## **17003A002 Carpentry II**

## **CTE Course**

This course provides learning experiences related to the erection, installation, maintenance and repair of building structures and related utilities. Students are instructed in areas of safety, including hand tool, power tool, ladder, scaffolding and the use of safety harnesses. Students demonstrate knowledge of exterior trim and finishes, energy conservation in residential construction, and design of stairs and rafter building. Students gain knowledge of planning and zoning regulations and building codes. Students are introduced to estimating both materials and construction costs, and demonstrate basic knowledge in applying drywall materials, stair-building skills, designing and erecting wall partitions, applying roofing materials, and installing common siding and interior finish. Technology-related mathematics, reading, writing, vocabulary, blueprint reading, and science are integrated throughout the curriculum. (Available SY 2011-.)

**17017A001 Civil Construction****CTE Course**

Civil Construction courses provide an introduction to the skills and knowledge of building and maintaining a high quality civil infrastructure including transportation systems, structures, and underground sewers and pipelines. Topics may include civil construction materials (e.g., cements and aggregates, steels and timber, pavement materials, asphalt, pipe, and geo-synthetics); life cycle assessments of structures and systems; reading civil blueprints, and understanding civil construction techniques. (Available SY 2021-.)

**17013A000 Commercial Construction**

Commercial Construction courses focus on residential construction principles and their relationship to commercial applications. Topics typically covered include commercial concrete forming, reinforcement and placement methods, stair construction, metal framing, interior finishes, suspended ceiling systems, metal framing and drywall applications, and commercial roofing methods and systems. These courses may also address equipment and tool usage in commercial construction. (Available SY 2021-.)

**17013A001 Commercial Construction****CTE Course**

Commercial Construction courses focus on residential construction principles and their relationship to commercial applications. Topics typically covered include commercial concrete forming, reinforcement and placement methods, stair construction, metal framing, interior finishes, suspended ceiling systems, metal framing and drywall applications, and commercial roofing methods and systems. These courses may also address equipment and tool usage in commercial construction. (Available SY 2021-.)

**17014A000 Concrete Foundations**

Concrete Foundations courses cover concrete and its relationship to construction and concrete safety and testing techniques. (Available SY 2021-.)

**17014A001 Concrete Foundations, Pavement, and Asphalt****CTE Course**

Concrete Foundations, Pavement, and Asphalt provides an overview of concrete and asphalt construction including material composition, behavior, and testing. Additional topics may include climate factors, drainage, pavement evaluation, maintenance strategies, rehabilitation and preservation techniques, and cost analysis. (Available SY 2021-.)

## **67002A000 Construction – Comprehensive**

Construction-Comprehensive courses provide the basic knowledge and skills required for construction of commercial, residential, and institutional structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction-related occupations such as carpentry, cabinetmaking, bricklaying, electrical trades, plumbing, concrete masonry, and so on. Students engage in activities such as reading blueprints, preparing building sites, starting foundations, erecting structures, installing utilities, finishing surfaces, and providing maintenance. (Available SY 2012-2023.)

## **17001A000 Construction Careers Exploration**

Construction Careers Exploration courses expose students to the opportunities available in the architecture and construction industry, including occupations such as carpenter, electrician, plumber, heating/air conditioning technician, safety supervisor, architect, engineer, and other occupations. Students learn about the processes involved in construction projects and may engage in a variety of small projects. These courses emphasize responsibilities, qualifications, work environment, rewards, and career paths within construction-related fields. (Available SY 2011-.)

## **67001A000 Construction Careers Exploration (prior-to-secondary)**

Construction Career Exploration courses expose students to the opportunities available in construction-related trades, such as carpentry, masonry, air conditioning/refrigeration, plumbing, and so on. Students learn about the processes involved in construction projects and may engage in a variety of small projects. These courses emphasize responsibilities, qualifications, work environment, rewards, and career paths within construction-related fields. (Available SY 2012-2023.)

## **17015A000 Construction Estimating**

Construction Estimating courses provide students with the opportunity to learn the fundamental principles of construction estimating. Course topics typically include procedures for estimating costs in different divisions of a project and determining the critical quantities of materials obtained from a set of plans. (Available SY 2021-.)

## **17016A000 Construction Management**

Construction Management courses introduce students to the concept of the project team, use of documents on a construction site, submittals, shop drawings, jobsite layout, meeting control, safety management, changes and claims forms, documents, and project closeout record keeping.

Topics may also include construction law, construction contracts, and how to work with owners and subcontractors. (Available SY 2021-.)

### **17002A001 Construction Trades I**

### **CTE Course**

This course provides experiences related to the erection, installation, and maintenance of residential buildings and related fixtures. Planned learning activities allow students to understand fundamental principles and methods, and develop technical skills related to masonry, carpentry, and finish work. Instruction includes safety principles and practices, recognition of standard lumber sizes, foundation layout methods, building concepts and procedures, local, state, and national codes, cost estimating, and blueprint reading. (Available SY 2011-.)

### **17002A002 Construction Trades II**

### **CTE Course**

This course provides learning experiences related to the erection, installation, maintenance, and repair of building structures and related utilities. Student technical skill experiences include instruction and activities in safety principles and practices, performing maintenance control functions, joining pipes, building water distribution lines and drains, installing and maintaining plumbing fixtures and systems, installing switch and outlet boxes, light fixtures, service entrances, roughing in and trimming out electrical devices and appliances, preparing foundations and footings, constructing residential chimneys and fireplaces, laying, jointing and pointing brick, and advanced building and construction methods and codes. All learning experiences are designed to allow the student to acquire job-entry skills and knowledge. (Available SY 2011-.)

### **17002A000 Construction—Comprehensive**

Construction—Comprehensive courses provide students with basic knowledge and skills required for construction of commercial, residential, and institutional structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction-related occupations such as carpentry, cabinetmaking, bricklaying, electrical trades, plumbing, concrete masonry, and so on. Students engage in activities such as reading blueprints, preparing building sites, starting foundations, erecting structures, installing utilities, finishing surfaces, and providing maintenance. (Available SY 2011-.)

### **17112A000 Digital Circuits**

Digital Circuit courses emphasize currents and voltages that have binary states and, due to that emphasis, concentrate on transmission and reception of binary data, signal loss, and processing circuitry. These courses may also address conversion techniques. (Available SY 2011-.)

**17005A001 Drywall Installation****CTE Course**

This course provides experiences related to the fastening of drywall panels to the inside framework of residential, commercial, and other buildings, and preparing these panels for painting by taping and finishing joints and imperfections. Planned learning activities allow students to become knowledgeable in fundamental principles and methods. Students develop technical skills related to drywall handling, drywall fastening, drywall taping, and drywall sanding. Instruction includes safety principles and practices, recognition of standard lumber sizes, estimating materials, building concepts and procedures, local state, and national building codes, and blueprint reading. (Available SY 2011-.)

**17005A002 Drywall Installation II****CTE Course**

This course provides experiences related to the fastening of drywall, Drivit panels and stucco to the interior and exterior framework of residential, commercial, and other buildings, and preparing these panels for painting by taping and finishing joints and imperfections. Planned learning activities allow students to attain knowledge in fundamental principles and methods. Students develop advanced technical skills related to drywall handling, drywall fastening, drywall taping, and drywall sanding. Students are also introduced to the use of Drivit panels and the application of stucco finishes. Instruction includes safety principles and practices, recognition of standard lumber and drywall sizes, estimating materials, building concepts and procedures, local, state, and national building codes, and blueprint reading. All learning experiences are designed to allow students to acquire entry-level job skills and knowledge. (Available SY 2011-2020.)

**17102A001 Electrical Systems I****CTE Course**

This course provides experiences that prepare students to apply technical knowledge and skills to install indoor and outdoor residential, commercial, and industrial electrical systems and associated power transmission lines. The program includes instruction in electricity, safety procedures, wiring, insulation and grounding, schematic blueprint interpretation, equipment operation and maintenance, and applicable codes and standards. Specific program content includes but is not limited to electrical wiring, industrial hydraulics, introduction to pneumatic technology, understanding of local and national electrical codes, basic power transmission, and an introduction to motor controls. (Available SY 2011-.)

**17102A002 Electrical Systems II****CTE Course**

This course builds on the concepts and skills introduced in Electrical Systems I. It provides experiences that prepare students to apply technical knowledge and skills to install indoor and outdoor residential, commercial, and industrial electrical systems, and associated power transmission lines. The program includes instruction in electricity, safety procedures, wiring, insulation and grounding, schematic blueprint interpretation, equipment operation and maintenance, and applicable codes and standards. Content in this course includes program controls, industrial program controls, and quality assurance. (Available SY 2011-.)

**17102A003 Electrical Trades I****CTE Course**

This course is designed to provide students with instruction and training in areas that prepare them to enter the electrical trades. Areas of instruction include electrical theory, circuit design and operation, the national electrical code, blue print reading, construction blue print interpretation, and test equipment usage. Students plan and organize wiring tasks, and gain practical experience by wiring mock-ups and trainers. Students become familiar with tools, materials, and methods used in residential wiring. Students troubleshoot circuits for faulty operation and make repairs. Specific studies include AC and DC theory, series and parallel circuits, motor and generator theory, motor controls, lighting and appliance wiring, low voltage wiring, and testing and repair. (Available SY 2011-.)

**17102A004 Electrical Trades II****CTE Course**

This course is a continuation of Electrical Trades I, advancing the basics learned in the first course. The study centers around advancing basic theory, multi-phase electricity, transmission and delivery systems, electronic and advanced motor controls, alarm and sensory systems, light commercial and industrial wiring, and advanced circuit design. Students continue to gain practical skill by working on trainers, mock-ups, and on-the-job projects. (Available SY 2011-.)

**17148A001 Electricity/Electronics Workplace Experience****CTE Course**

Electricity/Electronics Workplace Experience courses provide students with work experience in a field related to electricity and/or electronics. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

**17108A000 Electricity/Electronics—General**

Electricity/Electronics—General courses teach fundamental concepts of electricity and electronics, including safety procedures, and may introduce students to the available occupations in electrical and electronic industries. Topics covered typically include components of circuits; reading schematics and diagrams; electricity and electronics as sources of energy; signal transmission; and using equipment common to these occupations, such as ammeters, voltmeters, capacitor checkers, transistor testers, signal generators, and ohmmeters. (Available SY 2011-.)

### **17147A000 Electricity/Electronics—Independent Study**

Electricity/Electronics—Independent Study courses, often conducted with instructors as mentors, enable students to explore electricity- or electronics-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **17149A000 Electricity/Electronics—Other**

Other Electricity/Electronics courses. (Available SY 2011-.)

### **17148A000 Electricity/Electronics—Workplace Experience**

Electricity/Electronics—Workplace Experience courses provide students with work experience in a field related to electricity and/or electronics. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **17102A000 Electricity—Comprehensive**

Electricity—Comprehensive courses provide a survey of the theory, terminology, equipment, and practical experience in the skills needed for careers in the electrical field. These courses typically include AC and DC circuitry, safety, and the National Electrical Code and may cover such skills as those involved in building circuits; wiring residential, commercial, and/or industrial buildings; installing lighting, power circuits, and cables; and estimating job costs. As students progress, their projects become more complex and expansive. In these courses, safety is stressed, and a career exploration component may be offered. (Available SY 2011-.)

### **17106A000 Electronics—Comprehensive**

Electronics—Comprehensive courses provide a survey of the theory, terminology, equipment, and practical experience in the skills needed for careers in the electronic field as well as typically cover the theory of electricity. Course topics may include AC, DC, analog, and integrated circuitry and solid state and digital devices, amplifiers, and semiconductors. Skills covered may involve the repair, maintenance, and building of electronic equipment such as radios, television sets, and industrial equipment. (Available SY 2011-.)



### **17101A000 Exploration of Electricity/Electronics**

Exploration of Electricity/Electronics courses offer instruction in the theory of electricity and in the terminology, skills, and safety procedures common to careers involving electricity and electronics. Topics include (but are not limited to) Ohm's law, electrical equipment, wire systems, and so on; career exploration is often (but not always) an integral part of these courses. (Available SY 2011-.)

### **17004A000 Framing Carpentry**

Framing Carpentry courses provide students with much of the same knowledge as general carpentry courses (knowledge of various types and grades of woods, proper and safe use of hand and power tools, and site selection and preparation), but place a special emphasis on construction methods applicable to floor, wall, roof, and/or stair framing. Course content may also include insulation installation and painting. (Available SY 2011-.)

### **17048A001 General Construction Workplace Experience**

**CTE Course**

General Construction Workplace Experience courses provide work experience in a field related to construction. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **17047A000 General Construction—Independent Study**

General Construction—Independent Study courses, often conducted with instructors as mentors, enable students to explore construction-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **17049A000 General Construction—Other**

Other General Construction courses. (Available SY 2011-.)

### **17048A000 General Construction—Workplace Experience**

General Construction—Workplace Experience courses provide work experience in a field related to construction. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **17017A002 Geometry in Construction**

**CTE Course**

Geometry in Construction courses provide students with an integrated way to learn Geometry through the application in Construction. The construction concepts within the course are organized to compliment the skills and the knowledge that align to High School - Geometry standards. Students will apply these skills and knowledge to the completion of construction projects. (Available SY 2023-.)

### **17053A000 Heating**

Heating courses offer students training specific to the design, installation, and repair of heating systems for residential use. Topics typically include electric, gas, steam, and ground-source systems; ventilation procedures; safety practices; and installation and trouble-shooting techniques. (Available SY 2011-.)

### **17056A000 Heating, Ventilation, and Air Conditioning**

These courses synthesize basic and advanced principles in heating, ventilation, and air conditioning and include topics such as air filtration methods, humidity control, and the installation and maintenance of heat pumps, furnaces, and air conditioners. Students also learn about climate control systems; electrical wiring; systems design; sizing, fabricating, and installing ductwork; installing and maintaining climate control systems; and safety. (Available SY 2011-.)

### **17998A002 Heavy Equipment Technician Workplace Experience**

**CTE Course**

Heavy Equipment Technician Workplace Experience courses provide students with work experience in a field related to architecture or construction. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and

Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2020-2020.)

### **17010A000 Home Maintenance**

Home Maintenance courses provide students with knowledge and skills related to devices and systems found in the home. Course content may include electrical wiring, plumbing, window and door repair and installation, wall and floor repair and finishing, furniture repair and finishing, and small appliance repair. (Available SY 2011-.)

### **17056A001 HVAC I**

#### **CTE Course**

This course is an introduction to the principles and practices employed in the installation, maintenance, and repair of basic air conditioning and heating systems units. Instruction is provided in safety precautions related to electricity, heating units, rotating machinery, refrigerants, and the use of power tools. Instruction includes basic electrical concepts, circuits, transformers, motors and motor controls, and circuit protection devices. Emphasis is also placed on basic refrigeration principles, gas laws, pressure, fluidics, heat and heat transfer, refrigerants, compressors, and lubrication systems. Activities include experiences in using hand tools, gauges, and test instruments used in cutting, reaming, flaring, swaging, bending, soldering, and brazing copper tubing; evacuating and charging refrigeration systems, and inspecting and testing electrical and air conditioning circuits and component parts. (Available SY 2011-.)

### **17056A002 HVAC II**

#### **CTE Course**

This course builds on the foundational skills introduced in HVAC I. Students learn the mechanics and electrical fundamentals needed to work as a HVACR technician. Installation, maintenance, and repair of residential forced air heating systems, alternative energy sources, hydronic heating systems, heat pumps, and air conditioners are taught. (Available SY 2011-.)

### **17098A001 HVAC Workplace Experience**

#### **CTE Course**

HVAC Workplace Experience courses provide work experience in a field related to air conditioning, heating, and/or plumbing. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and

Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **17104A000 Industrial Electricity**

Covering many of the same topics as Electricity—Comprehensive courses, Industrial Electricity courses apply the knowledge and skills that students acquire to the electrical systems used in industry. Because of this emphasis, these courses may also cover the installation of transformers and control devices, emergency generator systems, and other industrial applications. (Available SY 2011-.)

### **17104A001 Industrial Electronics I**

**CTE Course**

This course introduces students to the skills needed to service, repair, and replace a wide range of equipment associated with automated or instrument-controlled manufacturing processes. Planned learning activities in this course allow students to become more knowledgeable in the fundamental principles and theories of electrical/electronic and hydraulic/pneumatic equipment as applied to instrumentation devices and digitally encoded radio equipment. Instruction also includes safety principles and practices, semi-conductors and transistor theory, electrical parameters and circuits, electronic component function and identification, and the use and care of related hand tools, power tools, and test equipment. (Available SY 2011-.)

### **17104A002 Industrial Electronics II**

**CTE Course**

This course provides planned learning activities designed to allow students to gain knowledge and skills in testing, maintaining, and repairing electronic equipment and systems used in the manufacturing industry. Learning activities in this course emphasizes the development of more advanced knowledge and skills than those provided in Industrial Electronics I. Skills introduced in this course include instruction in the interpretation of technical sketches, schematics, and circuit diagrams. Additional units of instruction include the identification and causes of equipment malfunctions, the repair and replacement of parts and equipment, the care and use of standard tools, equipment, and specialized instrumentation testing devices. (Available SY 2011-.)

### **17109A001 Introduction to Renewable Energies**

**CTE Course**

Introduction to Renewable Energies provides students with the foundation in content and skills associated with various renewable energy sources, electrical power generation, transmission, and distribution. Topics include the history of energy; the global impact of renewable and nonrenewable resources; career opportunities; environmental principles; working with AC/DC electrical circuits; and transfer of various energy forms to produce DC current. (Available SY 2023-.)

## **17008A000 Masonry**

Masonry courses enable students to learn to construct interior and exterior walls, columns, doorways, window openings, fireplaces, chimneys, and foundations from brick and concrete block. Along with other activities, students may mix and spread cement and mortar, read blueprints and plans, and estimate materials needed for a project. Other topics may also include how to layout buildings on footings and how to establish grades using a surveying transit. (Available SY 2011-.)

## **17008A001 Masonry**

### **CTE Course**

This course introduces students to the development and manufacture of brick and concrete block. Instruction concentrates on learning how to handle the trowel and lay brick to the line accurately. Skills involving the use of additional tools are also introduced at this level, so that students have a working knowledge of a mason's basic tools. In addition, students are introduced to the skills needed for installing ceramic, stone, vinyl and composite flooring as well as ceramic, glass, and stone wall tile. (Available SY 2011-.)

## **17008A002 Masonry II**

### **CTE Course**

This course is designed to build upon the intermediate skills learned in Masonry I. More time on skill development is provided to acquaint students with a wide range of experiences within the trade. Along with the skills already introduced, students continue to improve their speed and efficiency in laying brick and block to the line. Because of the needs of the building industry, greater emphasis is placed on tuck-pointing, cement finishing, and installing glass block windows. (Available SY 2011-2020.)

## **17005A000 Particular Topics in Carpentry**

These courses cover specific aspects of building construction or carpentry. All coursework focuses upon a particular skill or set of skills related to one subtopic, such as floor framing, wall and partition framing, interior finishing, or exterior finishing. (Available SY 2011-.)

## **17017A000 Particular Topics in Construction**

These courses provide students with specialized knowledge and help them develop skills in particular topics concerning the processes, responsibilities, and occupations of the construction industry. (Available SY 2021-.)

### **17105A000 Particular Topics in Electricity**

These courses provide students with specialized knowledge and help them develop skills in particular topics concerning the nature, behavior, and application of electrical current. (Available SY 2011-.)

### **17109A000 Particular Topics in Electricity/Electronics**

These courses provide instruction in the theory and skills needed in fields involving electricity and electronics and related fields that focus on electrical wiring or electronic signals. (Available SY 2011-.)

### **17107A000 Particular Topics in Electronics**

Individual courses in this category offer specialized training in topics related to electronics such as diodes, transistors, digital techniques, solid-state devices, analog circuits, and microprocessors. (Available SY 2011-.)

### **17057A000 Particular Topics in HVACR**

These courses offer students specialized training in aspects or topics that are common to various climate control systems (heating, ventilation, air conditioning, and refrigeration systems); such topics may include electrical components, diagrams and blueprints, welding and soldering techniques, and so on. (Available SY 2011-.)

### **17102A006 Photovoltaic Systems**

**CTE Course**

Photovoltaic Systems courses will introduce students to the skills and competencies necessary to effectively incorporate photovoltaic systems as either stand-alone or interconnected electrical systems. Topics should include site evaluations; operation; design and sizing; installation; advantages and disadvantages of various systems; and maintenance of various systems. (Available SY 2023-.)

### **17058A000 Plumbing**

Plumbing courses provide students with instruction in installing waste and vent systems, water and gas pipes, trim, and fixtures. Skills taught include cutting and joining various types of pipe (for instance, steel, plastic) using various methods (cement, seat method, and so on). (Available SY 2011-.)

**17058A001 Plumbing****CTE Course**

This course is an introductory level course designed to acquaint students with the basics of plumbing. Tasks introduced in this course include classroom safety, estimating the costs of jobs, joining copper tubing and strip pipes, installing hangars and supports, roughing in water supply lines for bathtubs, water closets, and water heaters, maintaining plumbing systems, using manuals to determine maintenance schedules, brazing pipes, joining pipes of dissimilar material with a variety of couplings, building water distribution line, and installing vents and drains. (Available SY 2011-.)

**17059A000 Plumbing and Heating**

Plumbing and Heating courses address the installation, assembly, maintenance, and repair of piping, plumbing, heating equipment, and water and drainage systems. Topics covered include the computation of heat losses and BTU requirements and blueprint reading. Students gain experience with electric, gas, and oil furnaces; vacuum pumps; air compressors; and mechanical and pneumatic testing equipment. (Available SY 2011-.)

**17058A002 Plumbing II****CTE Course**

Planned learning activities emphasize the development of more advanced knowledge and skills than those provided in Plumbing I. This course provides more time for skill development and to acquaint the student with the requirements of an entry-level position as a plumber. Skills introduced include using manuals to determine maintenance schedules, brazing pipes, joining pipes of dissimilar material with a variety of couplings, installing hangars and supports, building water distribution lines and installing vents and drains. (Available SY 2011-2020.)

**17052A000 Refrigeration**

Refrigeration courses provide students with exposure to and training in the theories, equipment, and skills needed to design, install, and repair commercial and residential refrigeration systems. Course topics typically include the theory of thermodynamics, measurement of pressures and temperatures, components and common accessories of refrigeration systems, and repair and safety procedures. (Available SY 2011-.)

**17109A002 Renewable Energies****CTE Course**

Renewable Energies courses provides students with competencies and skills associated with various energy sources, and electrical power generation, transmission, and distribution. Students will strengthen competencies and understanding in the history of energy; the global impact of renewable and nonrenewable resources; career opportunities; energy technology, energy

resources; and emerging future energy technologies. Topics could include further skill development in the manufacturing, installation, and/or repair of renewable energy systems including solar energy, wind energy, geothermal energy, hydro energy, and/or biomass energy. (Available SY 2023-.)

### **17103A000 Residential Wiring**

Covering many of the same topics as Electricity—Comprehensive courses, Residential Wiring courses apply the knowledge and skills that students acquire to the electrical systems found in family dwellings. Because these courses emphasize residential electricity, topics may also include cable installation, telephone systems, and the installation of lighting fixtures, outlets, and so on. Maintenance and repair skills are often included as course topics. (Available SY 2011-.)

### **17012A000 Upholstering**

Upholstering courses prepare students in all aspects of upholstering furniture. Topics covered may include installing, repairing, arranging, and securing the springs, filler, padding and cover materials of chairs, couches and mattresses; cutting, sewing and trimming; cushion filling, tufting, and buttoning; and wood refinishing. (Available SY 2011-.)

### **17011A001 Wall Finishing**

**CTE Course**

This course provides students with experiences related to the painting and wall covering industry. Introductory experiences consist of finishing both exterior and interior surfaces, mixing, blending, and the proper techniques in applying paints, lacquers, enamels, and varnishes. Students learn to use hand tools in removing old surfaces and preparing new surfaces. Safety and care in handling materials are emphasized in this course. Skills introduced include safety, preparation of surfaces for painting, wall-coverings, concrete finishing, plaster finishing, finishing surfaces, filling holes and cracks, applying primer, and sealing wood surfaces. (Available SY 2011-.)

### **17011A002 Wall Finishing II**

**CTE Course**

This course includes planned learning activities that emphasize the development of more advanced knowledge and skills than those provided in Wall Finishings I. Students are instructed in areas of safety that includes hand tool, power tool, ladder, scaffolding and the use of safety harnesses. Students are introduced to skills in areas such as estimating labor materials, selecting and using spraying equipment, finishing surfaces with wall-coverings, maintaining and repairing of structures, inventory of supplies and equipment, determining basic maintenance procedures for tools and equipment, mixing primer, staining wood, and varnishing wood. (Available SY 2011-2020.)



### **17011A000 Wall Finishings**

Wall Finishings courses prepare students to finish exterior or interior surfaces by applying protective coating materials such as paint, lacquer, wallpaper, plaster, or stucco. Course topics may include instruction in making, mixing, and matching paint colors; applying coating with various types of equipment; applying wallpaper; lathing, preparing surfaces, smoothing, and finishing. (Available SY 2011-.)

### **17006A000 Woodworking**

Woodworking courses introduce students to the various kinds of woods used in industry and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized. As students advance, they focus on learning the terminology necessary to use power tools successfully, developing skills to safely use these tools in the workshop and becoming familiar with various kinds of wood-finishing materials. Advanced students typically design a project, prepare bills of materials, construct, and finish proposed projects. (Available SY 2011-.)

## 18 Agriculture, Food, and Natural Resources

### **18403A002 Advanced Agricultural Construction**

**CTE Course**

Advanced Agricultural Construction courses include an integrated way to learn geometry through the application in construction. The structural concepts within the course are organized to complement the skills and the knowledge learned in geometry lessons. Students will experience working days on a job site or technical project, as well as classroom experiences, focused on the development and review of geometry concepts. On working days, students will collaborate to build anything from sawhorses and modular furniture to manufactured housing and tiny homes. The course will provide students the opportunity to immediately apply what they are learning about geometry to their projects and buildings. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts. (Available SY 2023-.)

### **18405A004 Advanced Agricultural Engine Maintenance**

**CTE Course**

Courses provide students with knowledge and skills to inspect diagnose, maintain, over the road truck and tractor systems. Specific course topics may include principles underlying diesel engines or multi cylinder gas engines, analyzing electrical circuits and systems, reading and interpreting service manuals, and identifying the principles and components of fuel injection systems; repair and replacement of water pumps, generators, governors, auxiliary and accompanying power units and controls; transmissions, drive lines, and drive axles; brakes, tires, and wheels; steering and suspension systems; electrical and lighting systems; hydraulics and pneumatics; safety codes and regulations; and general shop skills. This class begins with vehicle familiarity, inspection expectations of drivers; inspection, diagnosis and repair for the technician. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts . (Available SY 2022-.)

### **18402A001 Advanced Agricultural Mechanics**

**CTE Course**

This course will concentrate on expanding student's knowledge and experiences with agricultural mechanics technologies utilized in the agricultural industry. Units of instruction included are design, construction, fabrication, maintenance, welding, electricity/electronics, internal combustion engines, hydraulics, and employability skills. Careers of agricultural construction engineer, electrician, plumber, welder, equipment designer, parts manager, safety inspector, welder, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

**18404A002 Advanced Agricultural Welding****CTE Course**

Advanced Agricultural Welding focuses on the development of advanced welding and metal fabrication techniques utilized within the agricultural industry. Topics of instruction may include welding safety, technical drawings & blueprint reading, welding symbols, welding discontinuities and failures, destructive testing, nondestructive examination, equipment setup, metal preparation, pipe welding, cutting processes, oxy-fuel cutting/welding, shielded metal arc welding, gas metal arc welding, flux cored arc welding, and gas tungsten arc welding processes. Suggested welding positions are flat, horizontal, vertical down, and vertical up. Electrodes taught and used may include E6010, E6011 and E7018. This course should be aligned with an industry-recognized credential. Upon successful completion, it is suggested students receive an industry certification or dual-credit through a local accredited institution. Improving workplace skills will be a focus in this course. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2022-.)

**18403A003 Advanced AMA— Structures****CTE Course**

Advanced AMA—Structures courses focus on an integrated way to learn geometry through application in construction. The structural concepts within the course are organized to compliment the skills and knowledge learned in geometry lessons. Students experience working days on a job site or technical project, as well as classroom experiences focused on development and review of geometric concepts. Students will collaborate to build projects from sawhorses and modular furniture to manufactured housing and tiny homes. The course will provide students the opportunity to immediately apply what they are learning about geometry to their projects and buildings. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2023-.)

**18504A005 Advanced Environmental Science & Issues****CTE Course**

Advanced Environmental Science and Issues requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts. (Available SY 2023-.)

**18449A003 Advanced Physical Science Applications in Agriculture****CTE Course**

Advanced Physical Science Applications in Agriculture courses are designed to reinforce and extend students understanding of physical science and the scientific process by associating scientific and math principles and concepts with relevant applications in agriculture. Topics of study are in the areas of scientific investigations, environmental/natural resource systems,

agricultural production systems, agricultural structural systems, energy and power systems, agricultural mechanics and machine systems, and food processing systems. The course will be valuable preparation for further education and will increase the relevance of science through the applied setting of agriculture by enhancing literacy in science and the scientific process. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-2011.)

### **18105A003 Advanced Veterinary Science**

### **CTE Course**

Advanced Veterinary Science prepares students for careers in the field of animal science and veterinary medicine. Students will attain academic skills related to animal systems, animal industry workplace practices, and develop knowledge of the animal industry. Students will be placed in a variety of settings to assist in various medical applications and procedures. Students will be exposed to a wide range of scientific principles, such as genetics, anatomy, physiology/nutrition, disease, pests, and management practices. The scientific processes of observation, measurement, hypothesizing, data gathering, interpretation, analysis, and application are a focus. Career opportunities and related post-secondary programs are explored and examined. Learning activities are varied, with classroom, laboratory, hands-on activities, and field experiences emphasized. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts. (Available SY 2023-.)

### **18247A001 Agribusiness Independent Study**

### **CTE Course**

Courses in Agribusiness Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to agribusiness. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18201A000 Agribusiness Management**

Agribusiness Management courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. These courses may cover topics such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan, employee/employer relations, problem-solving and decisionmaking, commodities, and building leadership skills. These

courses may also incorporate a survey of the careers within the agricultural industry. (Available SY 2011-.)

### **18248A001 Agribusiness Workplace Experience**

**CTE Course**

Agribusiness Workplace Experience courses provide work experience in fields related to agribusiness. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18247A000 Agribusiness—Independent Study**

Courses in Agribusiness—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to agribusiness. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **18249A000 Agribusiness—Other**

Other Agribusiness Courses (Available SY 2011-.)

### **18248A000 Agribusiness—Workplace Experience**

Agribusiness—Workplace Experience courses provide work experience in fields related to agribusiness. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **18308A002 Agricultural and Biological Engineering (ABE)**

**CTE Course**

Agricultural and Biological Engineering (ABE) courses enable students to develop and expand their knowledge and skills in biology, physics, technology, and mathematics. Course content may

vary widely, drawing upon diverse fields such as biomedical engineering, biomolecular genetics, bioprocess engineering, agricultural biology, or environmental engineering. Students may engage in problems related to biomechanics, cardiovascular engineering, genetic engineering, agricultural biotechnology, tissue engineering, biomedical devices, human interfaces, bioprocesses, forensics, and bioethics. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2022-.)

### **18004A001 Agricultural Biology**

### **CTE Course**

Agricultural Biology is designed for freshman and sophomore students interested in learning about food systems or the production, processing, distribution, and consumption of food products as well as the interactions of various aspects of food systems with the natural environment. Agricultural Biology will cover all major topics in life science including biochemistry, ecology, cells, reproduction, heredity, biological evolution and diversity. The course will cover the majority of the Performance Expectations in the following Illinois Learning Standards in Science as well as a few physical, earth and space science, and engineering design performance expectations: HS-LS1 - From Molecules to Organisms: Structures and Processes HS-LS2 - Ecosystems: Interactions, Energy, and Dynamics HS-LS3 - Heredity: Inheritance and Variation of Traits HS-LS4 - Biological Evolution: Unity and Diversity Specific emphasis will be placed on developing skills related to the Scientific and Engineering Practices and building Cross Cutting Concepts as students develop explanations for phenomena and solve real-world problems. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts. (Available SY 2023-.)

### **18308A000 Agricultural Biotechnology**

Agricultural Biotechnology courses apply biological principles and understanding to plant and animal science in order to produce or refine agricultural products. Course topics typically include but are not limited to microbiology, genetics, growth and reproduction, structural basis of function in living systems, chemistry of living systems, quantitative problem-solving, and data acquisition and display. These courses also often cover the ethics of biotechnology. (Available SY 2011-.)

### **18308A001 Agricultural Biotechnology**

### **CTE Course**

This course examines the agricultural applications of biotechnology, the use of living organisms to solve problems or make useful products. Applications include technologies used in bioprocessing, cell/tissue culture, genetic and protein engineering. Specific units of instruction include: impacts of biotechnology, genetics, and biotechnology in plant, animal, and microbial science. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

**18997A001 Agricultural Biotechnology Systems Independent Study****CTE Course**

Courses in Agricultural Biotechnology Systems Independent Study, often conducted with instructors as mentors, enable students to explore topic of interest related to agriculture, food, and natural resources. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

**18998A005 Agricultural Biotechnology Systems Workplace Experience****CTE Course**

Agricultural Biotechnology Systems Workplace Experience courses provide students with work experience in fields related to agricultural biotechnology. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

**18201A001 Agricultural Business Management****CTE Course**

This course will provide students with the basic knowledge and skills necessary to manage personal finances and develop into a successful entrepreneur and/or businessperson. Instructional units include: business ownership types, starting an agribusiness, managing and operating an agribusiness, financing an agribusiness, managing personal finances, record keeping and financial management of an agribusiness, local, state, and federal taxes, agricultural law, and developing employability skills. Student skills will be enhanced in math, reading comprehension, and writing through agribusiness applications. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

**18203A002 Agricultural Communications****CTE Course**

Agricultural Communication courses introduce the broad field of agricultural communications and provides for the development of knowledge and skill in specific areas related to communications theory and practice. Content includes the meaning and process of communication, the role and history of print and electronic media, legal aspects of agricultural communications, news and

feature writing in agriculture, news photography, layout and design, and ethics in agricultural communications. Content will also include web design and broadcast journalism in agriculture. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

### **18403A001 Agricultural Construction**

### **CTE Course**

This advanced course focuses on the knowledge, hands-on skills, and work place skills applicable to construction in the agricultural industry. Major units of instruction include personal safety, hand tools, power tools, blueprint reading, surveying, construction skills in carpentry, plumbing, electricity, concrete, block laying, drywall, and painting. Careers such as agricultural engineers, carpenter, plumber, electrician, concrete and block layers, finishers, safety specialists, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

### **18998A001 Agricultural Cooperative Education**

### **CTE Course**

Agricultural Cooperative Education is designed for junior and senior students interested in pursuing careers in Agriculture. Students are released from school for their paid cooperative education work experience. They participate in 200 minutes per week of related classroom instruction focusing on job survival skills, career exploration skills related to the job, and human relations skills. A qualified agricultural instructor is responsible for supervision and is given 30 minutes per student per week to do so. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student and employer assume compliance with federal, state and local laws and regulations. The coordinator also needs to have taken 6 semester hours of organization and administration of cooperative education. The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job seeking skills, personal development, human relationship, legal protection and responsibilities, economics of the job, organization and job termination. (NOTE: In schools with insufficient numbers to justify a stand alone Agricultural Cooperative Education course, Interrelated Cooperative Education with the same general requirements may be substituted.) (Available SY 2011-2021.)

### **18204A001 Agricultural Economics**

### **CTE Course**

This course is designed to provide students with the knowledge of basic economic principles of micro and macroeconomics, international economics, comparative economic systems, measurement, and methods. Through the course, the students will understand and apply basic economic principles as they relate to individual consumers, production agriculture, and agribusiness management. The students will develop an Agricultural project and keep accurate agriculture records of expenses, receipts, and profit/losses. This course will satisfy the Economics requirement for graduation. Participation in FFA student organization activities and Supervised



Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2022-.)

### **18405A005 Agricultural Electrical Systems**

### **CTE Course**

This course provides a survey of the theory, terminology, equipment, and practical experience related to electrical applications in agricultural settings. This course typically includes the study of electrical safety, the National Electrical Code, AC and DC circuits, electrical wiring, electric motors and controls, and may cover such skills as those involved in diagramming and building circuits; wiring buildings; installing lighting fixtures, switches, and outlets; and estimating job costs. In this course, safety is stressed, and a career exploration component may be offered. Maintenance and repair skills are often included as course topics. Improving workplace skills will be a focus in this course. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2022-.)

### **18405A003 Agricultural Engine Maintenance**

### **CTE Course**

This course provides students with the opportunity to learn how to operate, service, and recondition agricultural power units, emphasizing two- and four-cycle small gasoline engines. This class will provide students with opportunities to troubleshoot and repair speed controls, lubrication, ignition, fuel, power transfer, cooling, exhaust, and starting systems; use hand, power, and overhaul tools; and read and interpret service manuals and parts' catalogs. Additional units of instruction may include power transmission, electrical, and hydraulic/pneumatic systems. Applications may include lawn mowers, tractors, tillers, power tools, and so on. Improving workplace skills will be a focus in this course. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2022-.)

### **18405A002 Agricultural Engineering**

### **CTE Course**

Throughout the course, students apply technical and engineering skills while becoming competent in the processes used to operate, repair, engineer, and design agricultural structures, engines, and equipment. Students practice technical skills including reading prints, troubleshooting machines, documenting an engine teardown and assembly, reading schematics, building simple machines, using hydraulics, researching machine replacement parts, and calculating production efficiencies. The engineering portion of the course includes prototype development, computer aided design (CAD), 3D printing, documentation of machine processes, machine automation and programming, testing designs for structural integrity, and calculating machine speed and power. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2022-.)

### **18202A000 Agricultural Entrepreneurship**

Agricultural Entrepreneurship courses focus on the personal skills necessary for success in entrepreneurial ventures in the agricultural industry. Topics include setting goals, assessing and solving problems, evaluating financial progress and success, business planning, information management and evaluation, and recordkeeping. (Available SY 2011-.)

### **18202A002 Agricultural Entrepreneurship**

**CTE Course**

Agricultural entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses in the agriculture, food and natural resources industry. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in agribusiness systems courses may also be included. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2022-.)

### **18204A003 Agricultural Finance & Accounting**

**CTE Course**

Agricultural Finance & Accounting introduces students to accounting concepts, financial statements, data collection, probability, and graphing data as they apply to the management, financing, and financial record-keeping of agricultural enterprises. Students will use technology and related software to demonstrate course concepts and industry-aligned skills. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts. (Available SY 2023-.)

### **18307A001 Agricultural Government**

**CTE Course**

The Agricultural Government course will study the US agriculture industry and the large role it has and will continue to play in our country's past, present and future. Students will receive an overview of the U.S. Government and its structure and functions. Students will explore the politics around policies that relate to agriculture at home and abroad. They will examine how political parties and interest groups impact decisions made about agriculture and its markets. This course will focus on people's impacts on the democratic process. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2022-.)

### **18203A000 Agricultural Leadership**

Agricultural Leadership courses help students develop leadership skills with a focus on opportunities in the food, fiber, and natural resources industries. Topics may include but are not limited to human relationships and effective communication, decision-making and problem-solving, leadership qualities and styles, and ensuring successful completion of group activities. (Available SY 2011-.)

### **18203A003 Agricultural Leadership**

**CTE Course**

Agricultural Leadership courses help students develop leadership skills with a focus on opportunities in the food, fiber, and natural resources industries. Topics may include but are not limited to human relationships and effective communication, decision-making and problem-solving, leadership qualities and styles, and ensuring successful completion of group activities. Students will learn to lead groups and teams, manage volunteers, exercise leadership ethics, and be able to demonstrate leadership in multicultural settings. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18449A001 Agricultural Machinery Service**

**CTE Course**

This comprehensive machinery service course concentrates on the following areas: using service manuals, electrical applications for agricultural equipment, fundamentals of multi-cylinder engines, reconditioning and repairing agricultural equipment, assembling and adjusting agricultural equipment, organization and management of agricultural machinery dealerships, human relations, and sales techniques. Careers such as agricultural equipment salesperson, mechanic, parts manager, sales manager, service technician, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

### **18447A000 Agricultural Mechanics and Construction—Independent Study**

Courses in Agricultural Mechanics and Construction—Independent Study, often conducted with instructors as mentors, enable students to topics of interest related to agricultural mechanics and/or construction. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **18449A000 Agricultural Mechanics and Construction—Other**

Other Agricultural Mechanics and Construction courses. (Available SY 2011-.)

### **18448A000 Agricultural Mechanics and Construction—Workplace Experience**

Agricultural Mechanics and Construction—Workplace Experience courses provide work experience in fields related to agricultural mechanics and construction. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **18401A002 Agricultural Metal Fabrication**

**CTE Course**

This course will concentrate on expanding student's knowledge and experiences with agricultural mechanics technologies utilized in the agricultural industry. Units of instruction included are design, construction, fabrication, maintenance, welding, electricity/electronics, internal combustion engines, hydraulics, and employability skills. Careers of agricultural construction engineer, electrician, plumber, welder, equipment designer, parts manager, safety inspector, welder, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2012-.)

### **18404A000 Agricultural Metal Fabrication Technology**

Formerly known as Agriculture Welding, Agricultural Metal Fabrication Technology courses provide students with the skills and knowledge that are specifically applicable to the tools and equipment used in the industry. In learning to apply basic technical knowledge and skills (engines, power, welding, and structures, among others), students may explore a broad range of topics, including the operation, mechanics, and care of tools, technology and machines; the construction and repair of structures integral to agricultural operations; an introduction or review of electricity and power; and safety procedures. (Available SY 2011-.)

### **18302A000 Agricultural Processing**

Agricultural Processing courses impart the knowledge and skills needed to bring animal and plant products to market. They may cover a wide variety of topics, including care and maintenance of animals or plants, quality selection and preservation, equipment care and sanitation, government regulations, and marketing and consumer trends. Agricultural Processing courses may present an

overview of agricultural processing or may specialize in particular types of products. (Available SY 2011-.)

### **18301A000 Agricultural Production**

Agricultural Production courses combine content related to animal and plant production, providing comprehensive coverage of the production functions of the agricultural industry. These courses typically cover such topics as care and management of farm animals, crop production and harvesting, plant and animal insect and disease control, efficient resource management, analyses of qualitative/quantitative data for decisionmaking, and farm management. (Available SY 2011-.)

### **18347A000 Agricultural Production and Processing—Independent Study**

Courses in Agricultural Production and Processing—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to agricultural production and processing. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **18349A000 Agricultural Production and Processing—Other**

Other Agricultural Production and Processing courses. (Available SY 2011-.)

### **18348A000 Agricultural Production and Processing—Workplace Experience**

Agricultural Production and Processing—Workplace Experience courses provide students with work experience in fields related to agricultural production and processing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **18202A001 Agricultural Sales and Marketing**

**CTE Course**

This course is designed to develop student knowledge and skills in agricultural sales and marketing, commodity marketing, agricultural economics, and international agriculture. Instructional units include: successfully starting an agribusiness, developing a marketing plan, pricing, advertising, and selling products and services, communicating with customers, applying commodity trading techniques, basic economic principles, the international agribusiness economy, and agricultural career opportunities. Student skills will be enhanced in math, reading comprehension, communications, and writing through agribusiness applications. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities

and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

### **18204A004 Agricultural Supply Chain Management**

**CTE Course**

Agricultural Supply Chain Management courses focus on the handling of the entire production flow of an agricultural good or service — starting from the raw components all the way to delivering the final product to the consumer. This course also focuses on management of daily operations within an enterprise, highlighting the importance of the ongoing nature of organizational functionality through areas such as capacity planning, inventory management, quality control, and supply chain management. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts. (Available SY 2023-.)

### **68002A000 Agriculture – Comprehensive**

Agriculture-Comprehensive courses cover a wide range of agricultural topics, including plant and animal science, production, and processing; agricultural mechanics, including tool and machine operation and repair; construction and repair of farm structures; business operations and management; and the careers available in the agricultural industry. Courses may also include topics such as chemical and soil science, ecology, agricultural marketing, and veterinary science. (Available SY 2012-2023.)

### **68003A000 Agriculture and Natural Resources – Comprehensive**

Agriculture and Natural Resources-Comprehensive courses cover a wide range of topics concerning agriculture and natural resources, including plant and animal science, production, and processing; environmental science and conservation; ecology; agricultural mechanics; agricultural construction; business operations and management; and the careers available in the agricultural/natural resources industry. Courses may also include topics such as chemical and soil science, forestry, agricultural marketing, and veterinary science. (Available SY 2012-2023.)

### **18003A000 Agriculture and Natural Resources—Comprehensive**

Agriculture and Natural Resources—Comprehensive courses may cover a wide range of topics concerning agriculture and natural resources, including plant and animal science, production, and processing; environmental science and conservation; ecology; agricultural mechanics; agricultural construction; food production for a growing global population, business operations and management; and the careers available in the agricultural/natural resources industry. These

courses may also include topics such as chemical and soil science, forestry, agricultural marketing, and veterinary science. (Available SY 2011-.)

### **18307A000 Agriculture and Society**

Agriculture and Society courses provide an overview of the importance of, impact on, and relationships between agricultural endeavors and society at large. These courses typically emphasize economic and environmental factors and impacts (such as urban and agricultural water use) and the influences of society on agricultural endeavors (including production, processing, and distribution). Current technological advances (such as genetic engineering) may also be discussed. (Available SY 2011-.)

### **18205A000 Agriculture Computers and Technology**

Agriculture Computers and Technology courses help students develop their knowledge and skills in using computer and other technology to operate and manage agricultural businesses. These courses allow students to use computer hardware, software, and the Internet to find information, record and analyze financial and production data, track market trends and economic forecasts, monitor weather, utilize global positioning systems, and prepare communications and reports. (Available SY 2021-.)

### **18205A001 Agriculture Computers and Technology**

**CTE Course**

Agriculture Computers and Technology courses help students develop their knowledge and skills in using computer and other technology to operate and manage agricultural businesses. These courses allow students to use computer hardware, software, and the Internet to find information, record and analyze financial and production data, track market trends and economic forecasts, monitor weather, utilize global positioning systems, and prepare communications and reports. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18402A000 Agriculture Mechanics and Equipment**

Agriculture Mechanics and Equipment courses provide students with the engineering, power, and mechanical technology principles, skills, and knowledge that are specifically applicable to the agricultural industry. Typical topics include the operation, maintenance, and repair of power, electrical, hydraulic, pneumatic, renewable, wind, solar, and mechanical systems. (Available SY 2011-.)

### **18401A000 Agriculture Mechanics/Equipment/Structures**

Agriculture Mechanics/Equipment/Structures courses provide students with the skills and knowledge that are specifically applicable to the tools and equipment used in the industry. While learning to apply their knowledge of the basic principles of technological design and production skills (engine mechanics, power systems, welding, and carpentry, among others), students may explore a broad range of topics, including the operation, mechanics, and care of tools and machines; the construction and repair of structures integral to agricultural operations; a study of electricity and power principles; and the study of alternative fuels, technology and engineering, and safety procedures. (Available SY 2011-.)

### **18403A000 Agriculture Structures**

Agriculture Structures courses provide students with the skills and knowledge that are specifically applicable to the construction, maintenance, and repair of structures integral to the agricultural industry, including but not limited to animal enclosures, irrigation systems, and storage facilities. In these courses, students typically study technology, design, planning, and construction knowledge and skills (such as measurement, carpentry, plumbing, concrete, and electrical systems), in addition to the safe operation of tools, technology and machines. (Available SY 2011-.)

### **18404A001 Agriculture Welding**

**CTE Course**

This course will emphasize the development of basic welding skills necessary to succeed in the agricultural metal fabrication industry. Topics of instruction include: welding safety, metal identification and properties, joint design and terminology, metal preparation, use of oxy-acetylene torch , Stick Metal Arc Welding (SMAW) focusing on the flat and horizontal position, Gas Metal Arc Welding (GMAW), project design and construction. Suggested electrodes for this course are E6013 and E6011. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership career exploration and reinforcement of academic concepts. (Available SY 2020-.)

### **18998A003 Agriculture, Food & Natural Resources Workplace Experience**

**CTE Course**

Agriculture, Food & Natural Resources Workplace Experience courses provide work experience in fields related to the Agriculture, Food, & Natural Resources cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)



### **68997A000 Agriculture, Food, and Natural Resources – Independent Study**

Courses in Agriculture, Food, and Natural Resources-Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to agriculture, food, and natural resources. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **68999A000 Agriculture, Food, and Natural Resources – Other**

(Available SY 2012-2023.)

### **18995A000 Agriculture, Food, and Natural Resources—Aide**

Agriculture, Food, and Natural Resources—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

### **18997A000 Agriculture, Food, and Natural Resources—Independent Study**

Courses in Agriculture, Food, and Natural Resources—Independent Study, often conducted with instructors as mentors, enable students to explore topic of interest related to agriculture, food, and natural resources. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **18999A000 Agriculture, Food, and Natural Resources—Other**

Other Agriculture, Food, and Natural Resources courses. (Available SY 2011-.)

### **18998A000 Agriculture, Food, and Natural Resources—Workplace Experience**

Agriculture, Food, and Natural Resources—Workplace Experience courses provide students with work experience in fields related to agriculture, food, and natural resources. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field

or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **18002A000 Agriculture—Comprehensive**

Agriculture—Comprehensive courses cover a wide range of agricultural topics, including plant and animal science, production, and processing; agricultural mechanics; food production for global populations; construction and repair of farm structures; business operations and management; and the careers available in the agricultural industry. These courses may also include topics such as chemical and soil science, ecology, agricultural marketing, and veterinary science. (Available SY 2011-.)

### **18204A005 Agritourism Management**

**CTE Course**

Agritourism Management courses focus on emerging business opportunities and structures in Agritourism. The course will identify and assess agritourism sector data describing industry supply and demand attributes and examine key distinguishing aspects of agritourism enterprise. Students will also learn about regulatory frameworks and policy, community and economic development dimensions, and relevant case studies specific to new agritourism oriented opportunities. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2023-.)

### **18506A000 Alternative Energy**

Alternative Energy courses help students identify renewable and nonrenewable energy sources and natural resources. Topics typically include alternative energy sources and their respective advantages and disadvantages; the impact of conventional and alternative energy sources on the environment; the efficiency of energy production from various sources; and careers in the fields of alternative energy and sustainability. (Available SY 2021-.)

### **18506A001 Alternative Energy**

**CTE Course**

Alternative Energy courses help students identify renewable and nonrenewable energy sources and natural resources. Topics typically include alternative energy sources and their respective advantages and disadvantages; the impact of conventional and alternative energy sources on the environment; the efficiency of energy production from various sources; and careers in the fields of alternative energy and sustainability. (Available SY 2021-.)

### **18108A000 Animal Genetics**

Animal Genetics courses explore genetic inheritance in agricultural animals and the identification of livestock breeds by the origin, significance, distribution, and domestication of animal species. These courses allow students to compare and contrast the hierarchical classification of the major agricultural animal species and identify breeding system options based on the principles of genetics. These courses also address selecting animals based on quantitative breeding values for specific characteristics. (Available SY 2021-.)

### **18108A001 Animal Genetics**

**CTE Course**

Animal Genetics courses explore genetic inheritance in agricultural animals and the identification of livestock breeds by the origin, significance, distribution, and domestication of animal species. These courses allow students to compare and contrast the hierarchical classification of the major agricultural animal species and identify breeding system options based on the principles of genetics. These courses also address selecting animals based on quantitative breeding values for specific characteristics. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18107A000 Animal Nutrition**

Animal Nutrition courses provide students with opportunities to study the structure and function of organic and inorganic nutrients. Topics may include the essential nutritive requirements of domestic livestock, poultry, and companion animals; digestion, absorption, metabolism, and barriers for nutrient utilization; sources of nutrients; application of energy systems and concepts; and regulation of feed intake in animals. These courses also teach students how to compare and contrast the nutritional levels for animal maintenance and production. (Available SY 2021-.)

### **18107A001 Animal Nutrition**

**CTE Course**

Animal Nutrition courses provide students with opportunities to study the structure and function of organic and inorganic nutrients. Topics may include the essential nutritive requirements of domestic livestock, poultry, and companion animals; digestion, absorption, metabolism, and barriers for nutrient utilization; sources of nutrients; application of energy systems and concepts; and regulation of feed intake in animals. These courses also teach students how to compare and contrast the nutritional levels for animal maintenance and production. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18304A000 Animal Processing**

Animal Processing courses impart the knowledge and skills needed to bring animal products to market. Although these courses may present an overview of animal care and maintenance, they typically emphasize quality selection, product preservation, equipment care and sanitation, government regulations, and marketing and consumer trends. Animal Processing courses may present an overview of several types of animal products or may specialize in particular products, such as meat, leather, wool, dairy products, and so on. (Available SY 2011-.)

### **18304A001 Animal Processing**

### **CTE Course**

Animal Processing courses impart the knowledge and skills needed to bring animal products to market. Although these courses may present an overview of animal care and maintenance, they typically emphasize quality selection, product preservation, equipment care and sanitation, government regulations, and marketing and consumer trends. Animal Processing courses may present an overview of several types of animal products or may specialize in particular products, such as meat, leather, wool, dairy products, and so on. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18101A000 Animal Production/Science**

Animal Production/Science courses impart information about the care and management of companion and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, research, qualitative and quantitative analyses as a basis for decisionmaking, and marketing. Students may study a particular species, or they may learn how to care for and maintain livestock as a more inclusive study. (Available SY 2011-.)

### **18101A002 Animal Science**

### **CTE Course**

This course will develop students' understanding of the livestock (beef, dairy, sheep, goats, and swine), poultry, and large (equine) animal industry. Topics of instruction include scientific investigations, genetics, animal anatomy and physiology, animal nutrition, animal reproduction, animal health, and meat science. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2012-.)

### **18147A001 Animal Systems Independent Study**

### **CTE Course**

Courses in Animal Systems Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to animal systems. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular

application, to explore a topic in greater detail, or to develop more advanced skills. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18148A001 Animal Systems Workplace Experience**

### **CTE Course**

Animal Systems Workplace Experience courses provide work experience in fields related to animal systems (management, care, and/or processing). Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18147A000 Animal Systems—Independent Study**

Courses in Animal Systems—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to animal systems. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **18149A000 Animal Systems—Other**

Other Animal Systems courses. (Available SY 2011-.)

### **18148A000 Animal Systems—Workplace Experience**

Animal Systems—Workplace Experience courses provide work experience in fields related to animal systems (management, care, and/or processing). Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

**18999A002 Applied Mathematics in Agriculture (AMA)****CTE Course**

Applied Mathematics in Agriculture (AMA) courses apply knowledge and skills related to mathematics, including algebra, geometry, and data analysis in the context of Agribusiness Systems and Power, Structural, and Technical Systems. Topics covered may include whole numbers, fractions, decimals, ratios, measurements, basic algebra, plane geometry, solid figures, triangle geometry, intermediate algebra, and statistics. Course topics may be applied in a class business and/or structural project. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2023-.)

**18306A001 Aquacultural Science****CTE Course**

This course is designed to develop student knowledge and skills in the area of aquacultural science and technology. Instructional units include basic studies of aquacultural species; reproduction processes, genetics, nutrition and health in aquacrops; ecological balances; and environmental requirements of aquatic plants and animals. Water quality, chemical and temperature analyses will be conducted for a variety of aquacrops. Individual and group experimentation and student research project(s) are required for satisfactory completion of this course. Careers to be examined include fish hatchery technician, production manager, fish nutritionist, and researcher. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

**18306A000 Aquaculture**

Aquaculture courses impart the knowledge and skills needed for producing fish, plants, and other species living in an aquatic environment, and course topics typically include the selection, propagation, harvesting, and marketing of those species. Instruction may also address aquatic and marine biology, ecosystems, water quality and management, and business practices. (Available SY 2011-.)

**18201A002 Basic Agricultural Business****CTE Course**

This course on topics and concepts related to the field of agricultural business. The course introduces business concepts such as record keeping, banking and finance, the role of government/ the USDA in agricultural business, consumerism trends, basics of credit, investment, and management. They usually provide a brief overview of the American Agricultural economic system, cooperatives and corporate organizations. This course may also expose students to a wide variety of agricultural business fields such as sales, marketing, accounting, loan officer and other related careers. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2022-.)

**18401A001 Basic Agricultural Mechanics****CTE Course**

In this course, theory and hands-on experiences provide opportunities for students to develop basic knowledge and skills in agricultural mechanics. Instructional areas include the basic shop safety, hand and power tool knowledge, fasteners, basic fundamentals of maintaining and repairing small gasoline engines, basic electricity, basic plumbing, concrete, welding, construction, and operating agricultural equipment safely. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

**18003A001 Basic Agricultural Science****CTE Course**

This course builds on basic skills and knowledge gained in the Introduction to the Agricultural Industry course. Major units of instruction include agricultural research, soil science, advanced plant science, biotechnology, advanced animal science. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

**18101A003 Basic Animal Science****CTE Course**

This course is designed to introduce students to the livestock (beef, dairy, sheep, goats, and swine), poultry, and large (equine) animal industry and provide them with basic animal science knowledge that can be further developed in advanced animal science courses. Major units of instruction include animal science careers, animal anatomy and physiology, animal reproduction, animal nutrition, genetics, animal health, small and large animal care, and meat science. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2020-.)

**18101A001 Basic Biological Science Applications in Agriculture - Animals****CTE Course**

This course is designed to reinforce and extend students' understanding of science by associating scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of animal agriculture and specific biological science concepts that govern management decisions in the animal industry. Topics of study are in the areas of growth and development of animals – cell structure and function, genetics, taxonomy, embryology, ethology, nutrition, immunity systems, and processing animal products – preservation, fermentation, and pasteurization. The course will be valuable preparation for further education and will increase the relevance of science through the applied setting of agriculture by enhancing literacy in science and the scientific process. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an

integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

### **18308A003 Basic Biotechnology**

### **CTE Course**

This course is designed to give students a comprehensive introduction to the scientific concepts and laboratory research techniques currently used in the field of biotechnology. Students attain knowledge about the field of biotechnology and deeper understanding of the biological concepts used. In addition, students develop the laboratory, critical thinking, and communication skills currently used in the biotechnology industry. Furthermore, students will explore and evaluate career opportunities in the field of biotechnology through extensive readings, laboratory experiments, class discussions, research projects, guest speakers, and workplace visits. The objectives covered in this course are both academic and technical in nature and are presented in a progressively rigorous manner. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2022-.)

### **18504A004 Basic Environmental Science**

### **CTE Course**

This course provides basic scientific knowledge and understanding of how our world works from an environmental perspective. Topics covered include: basic principles of ecosystem function; biodiversity and its conservation; Wildlife population growth; water resources and management; water, air and soil pollution; climate change; energy resources, and sustainability. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2022-.)

### **18302A001 Basic Food Processing**

### **CTE Course**

Basic Food Processing courses impart the knowledge and skills needed to bring animal and plant products to market. They may cover a wide variety of topics, including care and maintenance of animals or plants, quality selection and preservation, equipment care and sanitation, government regulations, and marketing and consumer trends. This course may present an overview of agricultural processing or may specialize in particular types of products. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18052A001 Basic Horticultural Science**

### **CTE Course**

This course is designed to introduce students to the horticulture industry and provide them with basic plant science knowledge that can be further developed in advanced horticulture courses. Major units of instruction include horticulture research, horticultural careers, plant anatomy, seed germination, plant propagation, growing media, pest management, hydroponics, identifying



horticultural plants, growing greenhouse crops, and floral design. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

### **18504A003 Basic Natural Resource Management**

**CTE Course**

This course is designed to introduce students to management and conservation skills and provide them with basic natural resource management knowledge that can be further developed in more advanced courses. Units include introduction to: understanding natural resources science and management, understanding of conservation and different practices, ecological concepts and scientific principles, impacts of pollution, fish and wild ecology, fire ecology, renewable and nonrenewable resources, and human impacts on wildlife. Career exploration will be discussed including: park ranger, game warden, campground manager, forester, conservation officer, wildlife manager, and related occupations. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18449A002 Basic Physical Science Applications in Agriculture**

**CTE Course**

Basic Physical Science Applications in Agriculture courses are designed to reinforce and extend students understanding of physical science and the scientific process by associating scientific and math principles and concepts with relevant applications in agriculture. Topics of study are in the areas of scientific investigations, environmental/natural resource systems, agricultural production systems, agricultural structural systems, energy and power systems, agricultural mechanics and machine systems, and food processing systems. The course will be valuable preparation for further education and will increase the relevance of science through the applied setting of agriculture by enhancing literacy in science and the scientific process. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

### **18004A000 Biological Applications in Agriculture**

Biological Applications in Agriculture courses are designed to integrate topics in science and agriculture. In these courses, students explore the world of agriculture and the associated biological principles. Competencies emphasize and reinforce standards for biology with agricultural applications. (Available SY 2021-.)

**18051A002 Biological Science Applications in Agriculture - Plants****CTE Course**

This course is designed to reinforce and extend students' understanding of science by associating basic scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of plant growth and management in agriculture and the specific biological science concepts that govern management decisions. Topics of study are in the areas of initiating plant growth – cell structure and function , germination, plant sensory mechanisms, enzyme action, absorption, and managing plant growth – photosynthesis, respiration, translocation, metabolism, genetics, taxonomy and growth regulation. The course will be valuable preparation for further education and will increase the relevance of science through the applied setting of agriculture by enhancing literacy in science and the scientific process. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

**18997A003 Biotechnology Systems Workplace Experience****CTE Course**

Agricultural Biotechnology Systems Workplace Experience courses provide students with work experience in fields related to agricultural biotechnology. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-2021.)

**18309A002 Community Food Production****CTE Course**

This course explores the principles and practices of urban agricultural production. Topics typically include urban crop production, harvesting, and management strategies. Other topics may include ethical, social, and environmental impacts of food and urban farming, and urban agriculture as a social movement. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2022-.)

**18051A003 Crop Science****CTE Course**

Crop Science courses are designed to provide students with the knowledge and skills necessary for future employment in the agronomy or related industries. Major units of instruction include scientific method, cellular biology, genetics, biotechnology, soil classifications, soil erosion and management, soil fertility, plant classification, plant anatomy and physiology, plant propagation,

plant growth, integrated pest management, grain, oil, forage, sugar, and fiber crop production methods, grain quality, grain storage, and grain transportation. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2012-.)

### **18307A002 Current Issues in Agriculture, Food & Natural Resources**

**CTE Course**

Current Issues in AFNR courses are designed to help students receive a broad understanding of current issues in agriculture, food, and natural resources that affects the social, political, economic, and cultural realms of society. Potential topics include the accessibility of food, impacts of trade, emerging technology, climate change, agricultural production and environmental practices. Skills developed in this course include problem analysis, course of action development, and decision-making systems in public and private sector organizations. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are integral course components for leadership development, career exploration, and reinforcement of academic concepts. (Available SY 2023-.)

### **18999A003 Drone Operation and Maintenance**

**CTE Course**

Drone Operation and Maintenance courses expose students to the versatile uses of unmanned aerial systems (UAS) in agriculture, food and natural resource industries. Students will engage in a variety of drone-related topics including assembly, maintenance, repair, operation, implementation, and related careers. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2023-.)

### **18504A001 Environmental Science**

**CTE Course**

This course examines the relationship of agriculture and the environment. The impact of plant and animal production practices on the environment and the adoption of practices leading to improved air, land, and water quality are investigated. Areas of emphasis include: types of ecosystems, management of waste, chemical use, soil conservation, land uses and regulations, and water and air quality. Encouraging students to be conscious and concerned about the environment and recognizing the need to conserve the environment and its resources will be a theme throughout. Careers of environmental technicians, soil and water conservationists, monitoring field technicians, land surveyor, and related occupations will be examined. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

**18997A002 Environmental Service Systems Independent Study****CTE Course**

Courses in Environmental Service Systems Independent Study, often conducted with instructors as mentors, enable students to explore topic of interest related to agriculture, food, and natural resources. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

**18998A004 Environmental Services Systems Workplace Experience****CTE Course**

Environmental Services Systems Workplace Experience courses provide work experience in fields related to environmental services systems. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

**18997A004 Environmental Services Systems Workplace Experience****CTE Course**

Environmental Services Systems Workplace Experience courses provide work experience in fields related to environmental services systems. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-2021.)

**18104A000 Equine Science**

Equine Science courses focus on the care and management of horses. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, use of qualitative and quantitative

analyses for decisionmaking, facilities, handling and training, and grooming are typical areas of study. (Available SY 2011-.)

### **18104A001 Equine Science**

### **CTE Course**

Equine Science courses focus on the care and management of horses. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, use of qualitative and quantitative analyses for decision making, facilities, handling and training, and grooming are typical areas of study. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2020-.)

### **68003A001 Exploratory Agricultural Science**

### **CTE Course**

This exploration course provides the opportunity to learn fundamental concepts in agriculture to serve as a foundation for future courses and to inform students about the industry that is so vital to society and to their future. Major units of instruction include an introduction to the agricultural industry, animal science, plant science, horticulture science, agribusiness, environmental science, agricultural mechanics, food science, and leadership and personal development. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2012-.)

### **68003A002 Exploratory Horticultural Science**

### **CTE Course**

This exploration course provides the opportunity to learn fundamental concepts in horticulture to serve as a foundation for future courses and to inform students about the fastest growing sector of the Agricultural Industry. Major units of instruction include introduction to the horticulture industry, plant science, plant identification, plant propagation, marketing products from horticulture, and leadership and personal development. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2012-.)

### **18001A002 Exploring Food & Agriculture**

### **CTE Course**

Exploring Food & Agriculture courses provide the opportunity to learn fundamental concepts in agriculture to serve as a foundation for future courses and to inform students about the industry that is so vital to society and to their future. Major units of instruction include an introduction to the agricultural industry, animal science, plant science, horticulture science, agribusiness, environmental science, agricultural mechanics, food science, and leadership and personal development. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2023-.)

### **18056A001 Floral Design & Marketing**

**CTE Course**

Floral Design and Marketing covers principles of floral art with an emphasis on commercial design. Topics include basic design styles and color harmonies; identification, use, and care of processing of cut flowers and foliage; mechanical aids and containers; personal flowers; holiday designs; and plant identification and care. The student will demonstrate the ability to identify floral design styles and color harmonies; identify cut flowers and foliage and the care and processing methods for extended vase life; select containers and mechanical aids; and create basic floral arrangements. The study of the general principles of plants, and their life processes and morphology, with emphasis on major floral crops are also covered. Students will also learn about marketing strategies and floral shop setup. Students will develop a bill of materials and look at other key factors in running a floral shop like overhead cost. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18305A002 Food Manufacturing & Management**

**CTE Course**

Food Manufacturing & Management introduces students to the principles and practices of food safety, processing, and packaging to develop solutions for problems in food production, handling, and storage. Learners will examine the full range of food processing techniques. Learners will examine the process of food product development and techniques used to measure food sensory aspects, shelf life, and food stability. Learners will examine government regulation's impact on labeling, new packaging technologies, harvesting, transportation, and the environment. Food laws, regulations, and regulatory and commercial grading standards will be examined. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts. (Available SY 2023-.)

### **18305A000 Food Product Processing**

Food Product Processing courses impart the knowledge and skills needed to produce and manufacture food products for the consumer market. These courses focus on food products while covering a variety of topics, such as quality selection and preservation, equipment care and sanitation, government regulations, marketing, consumer trends, and product research and development. (Available SY 2011-.)

### **18347A001 Food Products and Processing Systems Independent Study**

**CTE Course**

Courses in Food Products and Processing Systems Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to agricultural production and processing. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. Participation in FFA student organization activities and Supervised

Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18305A001 Food Science**

### **CTE Course**

This course provides learning experiences in food science and safety which allow students to apply scientific knowledge and processes to practices used in the development and preservation of food products. Issues of food science and safety are examined from a scientific and technological perspective. Students critically analyze information to evaluate and draw conclusions on the appropriate use of technology to implement food science and safety practices. Units of instruction include: principles of food preservation, food processing, biochemistry of foods, and food selection and consumer health. Careers to be examined include meat inspector, quality control technician, food processor, and sanitation supervisor. Students will use scientific and technological information about food science and safety as a part of developing career plans and personal viewpoints on societal issues concerning the development and preservation of food products. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

### **18348A001 Food Products and Processing Systems Workplace Experience**

### **CTE Course**

Food Production and Processing Workplace Experience courses provide students with work experience in fields related to agricultural production and processing. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18502A001 Forestry**

### **CTE Course**

Forestry courses provide students with the information and experience necessary for the cultivation, management, and care of forests or timberlands. Forestry courses cover topics such as the processes of regeneration and reforestation, harvesting and conservation of natural resources, erosion and pest control, trail development and maintenance, mapping and surveying, operation of forestry tools, government regulations, environmental stewardship, and recreational use of forests. Participation in FFA student organization activities and Supervised Agricultural

Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18503A000 Forestry Harvesting**

Forestry Harvesting courses involve the study of methods to manage, protect, and harvest timber stands and specialty forest crops; equipment maintenance and repair; the selection, planting, transplanting, and harvesting of trees; forest management; and safety procedures. (Available SY 2011-2020.)

### **18502A000 Forestry Management**

Formerly known as Forestry, Forestry Management courses provide students with the information and experience necessary for the cultivation, management, and care of forests or timberlands. These courses cover topics such as the processes of regeneration and reforestation, harvesting and conservation of natural resources, erosion and pest control, trail development and maintenance, mapping and surveying, operation of forestry tools, government regulations, environmental stewardship, and urban forestry, including the principles of selecting, planting, and caring for trees in urban settings. Settings may include streets, parks, commercial/industrial landscape settings, and recreational use of forests. These courses also address forestry harvesting and methods to manage, protect, and harvest timber stands and specialty forest crops; equipment maintenance and repair; the selection, planting, transplanting, and harvesting of trees; forest management; and safety procedures. (Available SY 2011-.)

### **18999A001 Foundational Supervised Agricultural Experience (SAE)**

**CTE Course**

This course is designed to establish, improve, and/or expand knowledge and skills in various agricultural careers. Students will increase their awareness of agricultural careers through the following components: Career Exploration and Planning; Employability Skills for College and Career Readiness; Personal Financial Management and Planning; Workplace Safety; and Agricultural Literacy (may be transitioned to Immersion SAE). Participation in FFA student organization activities and exploration of Immersion Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18056A003 Fruit and Vegetable Production**

**CTE Course**

Fruit & Vegetable Production courses examine the factors influencing the successful growing, harvesting, storing, and marketing of fruit and vegetable crops. A special focus should be placed on low-input farming systems, irrigation efficiency, pest management, and alternative crops and technology. Participation in FFA student organization activities and Supervised Agricultural



Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts. (Available SY 2023-.)

### **18998A006 GAST Workplace Experience**

### **CTE Course**

Growing Agricultural Science Teachers (GAST) Workplace Experience courses provide work experience in which the agricultural instructor serves as a mentor to enable students to explore School-based Agricultural Education and Agricultural Literacy. Students can receive college credit and individual compensation through a college or university offering GAST junior internships. Goals must be set cooperatively by the student and teacher. These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2023-.)

### **18204A002 Global Agriculture**

### **CTE Course**

This course will primarily focus on agriculture in developing countries and frame this focus within a discussion of contemporary crucial issues facing food, agriculture and natural resources on a global scale. The course will look at the impacts of geographic, political, economic, and social issues of a particular country or region and how that affects their agriculture and trade. This course will also examine the impacts that trade agreements have on other countries' agriculture. Specific emphasis will also be placed on debates concerning global hunger and food security. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2022-.)

### **18053A001 Greenhouse Production**

### **CTE Course**

This course provides advanced agriculture students a technical understanding and working knowledge of the greenhouse industry. Topics include safety, plant physiology, plant identification, growing media, plant nutrition, integrated pest management, propagation, growing greenhouse crops and greenhouse business concepts. Students will gain knowledge and skills related to the care and management of gardens and greenhouses. Agribusiness units will be introduced in merchandising, advertising, sales, and operating a greenhouse business. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

**18051A001 Horticultural Production & Management****CTE Course**

This course offers instruction in both the greenhouse production and landscape areas of horticulture. Units of study include plant identification, greenhouse management, growing greenhouse crops, landscape design, installation, and maintenance, horticulture mechanics, nursery management, and turf production. Agribusiness units will cover operating a horticultural business, pricing work, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

**18052A000 Horticultural Science**

Formerly known as General Horticulture, Horticultural Science courses expose students to the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. In doing so, they cover a wide variety of topics, including principles of plant science, greenhouse and nursery operations, soils and growing media mixtures, fruit and vegetable production, turf/golf course management, interior and exterior plantscaping, irrigation systems, weed and pest control, and floral design. (Available SY 2011-.)

**18505A001 Hunter Education****CTE Course**

Hunter Safety courses provide students with the basic skills and knowledge of hunter safety and responsibility. Topics typically include hunter responsibility and ethics; tree stand safety; firearms and ammunition; field safety; first aid; bowhunting; muzzle loading; wildlife conservation and identification; and Illinois state regulations. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

**18109A000 Integrated Pest Management**

Integrated Pest Management courses help students develop an understanding of the life cycles of and damage caused by pests, diseases, and weeds. Course topics may include the application of pesticides and/or herbicides to manage pest populations and assessing the effectiveness of pest management plans. (Available SY 2021-.)

**18109A001 Integrated Pest Management****CTE Course**

Integrated Pest Management courses help students develop an understanding of the life cycles of and damage caused by pests, diseases, and weeds. Course topics may include the application of pesticides and/or herbicides to manage pest populations, assessing the effectiveness of pest management plans, types of pesticides and their formulations, pesticide labels, human pesticide poisoning, pesticides in the environment, safe handling of pesticides, pesticide application

equipment and calibration, and Illinois pesticide laws and regulations. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18001A000 Introduction to Agriculture and Natural Resources**

Introduction to Agriculture and Natural Resources courses survey a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and career opportunities and those in related fields. These courses serve to introduce students to the agricultural field, providing them an opportunity to identify an area for continued study or to determine that their interest lies elsewhere. These courses often focus on developing communication skills, scientific research, types of business ownership, business principles, and leadership skills. (Available SY 2011-.)

### **68001A000 Introduction to Agriculture and Natural Resources (prior-to-secondary)**

Introduction to Agriculture courses survey a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and livestock career opportunities and to those in related fields (such as natural resources). These courses serve to introduce students to the agricultural field, providing an opportunity for student to identify an area for continued study or to determine that their interest lies elsewhere. They often focus on developing communication skills, business principles, and leadership skills. (Available SY 2012-2023.)

### **18001A001 Introduction to the Agricultural Industry**

**CTE Course**

This course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, and agricultural mechanics, will be presented. Students will learn about FFA History, Structure, parliamentary procedure, leadership skills and public speaking. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

### **18054A004 Landscape Construction & Maintenance**

**CTE Course**

Landscape Construction and Maintenance courses focus on the principles and practices for sustainable construction, maintenance, and installation of various landscape features for residential and commercial sites. Course includes best practices and strategies for snow and ice

management. Students will gain practical experience in the use of surveying instruments, and concrete and paving materials. Additional experience in constructing drainage systems, walls, steps, fences, terraces, and patios will be discussed. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts (Available SY 2023-.)

### **18054A002 Landscape Design & Management**

**CTE Course**

Landscape Design and Management courses focus on the landscape and nursery of the horticulture industry. Units of student instruction include identifying landscape plants, designing landscape plans, hardscape construction techniques, and installing landscape plants. Also included are nursery production, and maintenance of existing landscapes. Agribusiness units will cover calculating prices for work, managing a horticulture business, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts (Available SY 2022-.)

### **18054A001 Landscaping & Turf Management**

**CTE Course**

This advanced course focuses on the landscape, nursery, and turf segments of the horticulture industry. Units of student instruction include: identifying landscape plants, designing landscape plans, hardscape construction techniques, and installing landscape plants. Also included are nursery production, turfgrass production, small engine repair, and maintenance of existing landscapes. Agribusiness units will cover calculating prices for work, managing a horticulture business, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-2022.)

### **18103A000 Large Animal Care**

Large Animal Care courses focus on the care and management of large animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, use of qualitative and quantitative analyses for decisionmaking, facilities, handling and training, and grooming are typical areas of study. Course topics may include product processing and marketing. (Available SY 2011-.)

### **18103A001 Large Animal Care**

**CTE Course**

Large Animal Care courses focus on the care and management of large animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, use of qualitative and

quantitative analyses for decision making, facilities, handling and training, and grooming are typical areas of study. Course topics may include product processing and marketing. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2020-.)

### **18547A001 Natural Resource Systems Independent Study**

**CTE Course**

Courses in Natural Resource Systems Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to natural resources. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts (Available SY 2021-.)

### **18504A002 Natural Resources Conservation and Management**

**CTE Course**

This course develops management and conservation skills in understanding the connection between agriculture and natural resources. Student knowledge and skills are developed in: understanding natural resources and its importance; fish, wildlife, prairies , and forestry management and conservation; and exploring outdoor recreational enterprises. Hunting and fishing as a sport, growing and managing tree forests, and outdoor safety education will be featured. Career exploration will be discussed including: park ranger, game warden, campground manager, forester, conservation officer, wildlife manager, and related occupations. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

### **18504A000 Natural Resources Management**

Natural Resources Management courses combine the fields of ecology and conservation with planning for the efficient use and preservation of land, water, wildlife, and forests. Within the general area of natural resources management, these courses usually cover specific topics and uses, such as hunting or fishing preserves, safe usage initiatives, forest production and management, wildlife preservation, and commercial use of natural resources. (Available SY 2011-.)

### **18548A001 Natural Resources Systems Workplace Experience**

**CTE Course**

Natural Resources Workplace Experience courses provide students with work experience in fields related to natural resources. Goals must be set cooperatively by the student, teacher, and

employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18547A000 Natural Resources—Independent Study**

Courses in Natural Resources—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to natural resources. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **18549A000 Natural Resources—Other**

Other Natural Resources courses. (Available SY 2011-.)

### **18548A000 Natural Resources—Workplace Experience**

Natural Resources—Workplace Experience courses provide students with work experience in fields related to natural resources. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **18053A000 Ornamental Horticulture**

Ornamental Horticulture courses provide information regarding the care and propagation of plants, flowers, trees, and shrubs, but place a special emphasis on those plants that are used for decorative and aesthetic purposes. Because of this particular emphasis, Ornamental Horticulture courses usually concentrate on nurseries and greenhouses and on the floristry industry. (Available SY 2011-.)

### **18502A002 Outdoor Park & Recreational Management**

**CTE Course**

Outdoor Park & Recreation Management courses focus on designing facilities, developing educational programs, and managing resources for use in public recreation. Students will maintain and operate equipment for maintaining wildlife habitat and supporting a variety of public recreational activities and facilities. Throughout the course, students will develop marketing and programming skills for park development, apply management practices to park operations, and learn the systems required to maintain public safety. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts. (Available SY 2023-.)

#### **18204A000 Particular Topics in Agribusiness**

These courses examine specific topics related to Agribusiness, such as international agriculture or commodities, rather than provide a general study of agribusiness principles. (Available SY 2011-.)

#### **18405A000 Particular Topics in Agricultural Mechanics and Construction**

These courses examine specific topics related to agricultural mechanics and construction, such as specific vehicles or structures, rather than provide a general study of mechanics and construction techniques. (Available SY 2011-.)

#### **18309A000 Particular Topics in Agricultural Production/Processing**

These courses examine specific topics related to producing and processing agricultural products (such as meat cutting) rather than provide a general study of production or processing. (Available SY 2011-.)

#### **18106A000 Particular Topics in Animal Systems**

These courses examine specific topics related to animal care and management, production, or processing, such as equine training or animal waste management, rather than provide a general study of animal care and the systems related to their growth and management. (Available SY 2011-.)

#### **18005A000 Particular Topics in Environmental Service Systems**

These courses provide students with specialized knowledge and help them develop skills in particular topics concerning the structure, processes, and implementation of environmental service systems. (Available SY 2021-.)

### **18505A000 Particular Topics in Natural Resources**

These courses examine specific topics related to natural resources, such as urban forestry or hunter education, rather than provide a general study of natural resource principles and topics. (Available SY 2011-.)

### **18056A000 Particular Topics in Plant Systems**

These courses examine specific topics related to Plant Systems, such as floral design, hydroponics, or landscaping, rather than provide a general study of plant systems or horticulture. (Available SY 2011-.)

### **18303A000 Plant Processing**

Plant Processing courses impart the knowledge and skills needed to bring plant products to market. They may cover a wide variety of topics, including plant production, quality selection and preservation, equipment care and sanitation, government regulations, and marketing and consumer trends. Plant Processing courses may present an overview of product processing or may specialize in specific plant products. (Available SY 2011-.)

### **18303A001 Plant Processing**

**CTE Course**

Plant Processing courses impart the knowledge and skills needed to bring plant products to market. They may cover a wide variety of topics, including plant production, quality selection and preservation, equipment care and sanitation, government regulations, and marketing and consumer trends. Plant Processing courses may present an overview of product processing or may specialize in specific plant products. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18097A001 Plant Systems Independent Study**

**CTE Course**

Courses in Plant Systems Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to plant systems. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course



component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18098A001 Plant Systems Workplace Experience**

### **CTE Course**

Plant Systems Workplace Experience courses provide work experience in fields related to plant systems (care, propagation, and processing). Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18051A000 Plant Systems/Science**

Formerly Plant Production/Science, Plant Systems/Science courses provide knowledge about the propagation of plants for food and fiber. These courses may cover such topics as soil science, irrigation, pest and weed control, food and fiber processing, and farm operations. These courses may also cover the knowledge and skills needed to produce all types of crops or may emphasize a particular area of the agricultural industry. (Available SY 2011-.)

### **18097A000 Plant Systems—Independent Study**

Courses in Plant Systems—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to plant systems. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **18099A000 Plant Systems—Other**

Other Plant Systems courses. (Available SY 2011-.)

### **18098A000 Plant Systems—Workplace Experience**

Plant Systems—Workplace Experience courses provide work experience in fields related to plant systems (care, propagation, and processing). Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

**18447A001 Power, Structural and Technical Systems Independent Study** **CTE Course**

Courses in Agricultural Mechanics and Construction Independent Study, often conducted with instructors as mentors, enable students to topics of interest related to agricultural mechanics and/or construction. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

**18448A001 Power, Structural and Technical Systems Workplace Experience** **CTE Course**

Power, Structural and Technical Systems Workplace Experience courses provide work experience in fields related to agricultural mechanics and construction. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

**18405A001 Precision Agriculture** **CTE Course**

Precision Agriculture courses provide a fundamental understanding of the principles of precision agriculture. Topics may include Global Positioning Systems (GPS); Geographical Information Systems (GIS); yield monitors; remote sensing; drones; grid soil sampling; variable rate application; digital image processing simulator (DIPS); Geodesy, automated cartography (Auto-Carto); land surveying (LS); navigation and guidance to effectively use data to make informed production management decisions. These courses may use spatial analysis models and guidelines for integrating, interpreting, analyzing, and synthesizing geographic data, with a focus on both the implications and limitations of such technologies. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

**18001A003 Principles of AFNR****CTE Course**

Principles of AFNR courses provide instruction in the foundations of various segments of the agricultural industry. Agricultural career opportunities shall be emphasized. Animal agriculture, plant and land management, and agricultural mechanics skills will be the focus. The selection and planning of a supervised agricultural experience program and related record keeping will be presented. Participation in local FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2023-.)

**18106A001 Service and Support Animal Training****CTE Course**

Service and Support Animal Training course provide students with skills and knowledge necessary to provide care and training for companion and service animals. Topics include animal behavior, training tools, and animal care. The course will focus on providing students understanding on how to select, socialize, and train companion and service animals to do work or perform tasks for the benefit of an individual with a disability, including a physical, sensory, psychiatric, intellectual, or other mental disability. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2020-.)

**18102A000 Small Animal Care**

Small Animal Care courses focus on the care and management of small animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, use of qualitative and quantitative analyses for decisionmaking, facilities, handling and training, and grooming are typical areas of study. (Available SY 2011-.)

**18102A001 Small Animal Care****CTE Course**

Small Animal Care courses focus on the care and management of small animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, use of qualitative and quantitative analyses for decision making, facilities, handling and training, and grooming are typical areas of study. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2020-.)

**18055A000 Soil Science**

Soil Science courses involve the study of soil properties, including soil chemistry, biology, fertility, mineralogy, and hydrology. Topics covered may also include soil conservation, irrigation, soil genesis, soil surveys, and management. (Available SY 2011-.)

**18055A001 Soil Science**

**CTE Course**

Soil Science courses involve the study of soil properties, including soil chemistry, biology, fertility, mineralogy, and hydrology. Topics covered may also include soil conservation, irrigation, soil genesis, soil surveys, and management. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2020-.)

**18056A002 Specialty Crop Production**

**CTE Course**

Specialty Crop Production courses include a study of sustainable crop production practices, including but not limited to vegetables, culinary and medicinal herbs, fruit production, ornamental crops and cut flowers. Topics include harvest methods, seasonal crop selection, planting procedures, cultural practices, soil testing, soil amendment, integrated pest management, marketing and economic viability, and various record keeping procedures, such as those needed for organic certification. Manual, mechanical, and chemical weed and pest management techniques will be discussed. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

**18001A004 STEM In AFNR**

**CTE Course**

STEM in AFNR courses provide an introduction to Science, Technology, Engineering and Mathematics (STEM) with primary areas of focus in Agriculture, Food & Natural Resources. It will provide a comprehensive background to allow students to explore and identify interests which may assist students in pathway and course selection at the secondary level. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts. This course may require use of materials and tools more appropriate for students in grades 7-8 regarding safety consideration, material handling, and appropriate laboratory behavior. (Available SY 2023-.)

**18998A002 Supervised Agricultural Experiences**

**CTE Course**

This course is designed to establish, improve, and/or expand knowledge and skills in various agricultural careers. Students will gain credit by establishing or continuing a Supervised Agricultural Experience (SAE) project at their home, at a business, or at their school often occurring outside the normal school day. SAE projects are typically entrepreneurial, placement or research based. Students are encouraged to add additional projects, experiences, scope, and growth involving managerial and decision making skills. Students will be required to verify their

experiences by keeping written or computerized records including: business agreements, budgets, inventories, daily activities, hours worked, income and expenses, total earnings, depreciation, and net worth. Instructor supervision will be conducted to the student's home, place of employment, or location of project. SAE records should be evaluated at least once per month. In addition, classroom time may be incorporated for foundational knowledge related to the SAE. SAE lessons are integrated into each agricultural course which can also provide foundational knowledge. SAE participation can lead to fulltime employment, scholarships, and awards through the FFA. (Available SY 2016-2021.)

### **18310A001 Sustainable Agriculture**

### **CTE Course**

Sustainable Agriculture courses explore technological and environmental changes and concerns. These courses address alternative approaches to food production including, but not limited to, organics, low-input, natural, and sustainable production methodology and practices. Course content may include comparing the effects of alternative production practices to those of conventional production practices. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18310A000 Sustainable/Alternative Agriculture**

Sustainable/Alternative Agriculture courses explore technological and environmental changes and concerns. These courses address alternative approaches to food production including, but not limited to, organics, low-input, natural, and sustainable production methodology and practices. Course content may include comparing the effects of alternative production practices to those of conventional production practices. (Available SY 2021-.)

### **18054A000 Turf and Landscape Management**

Turf and Landscape Management courses provide instruction that incorporates plant science, soil and growing media mixtures, plant identification and optimal environments, and landscape design. These courses emphasize applying such knowledge and skill to the design, establishment, and maintenance of lawns, parks, open space, golf courses and other sports facilities, and similar environments. (Available SY 2011-.)

### **18054A003 Turfgrass and Sports Field Management**

### **CTE Course**

This course is designed for students interested in gaining knowledge and skills associated with the duties and tasks of industry and professionals who establish and maintain turf in public areas such as golf courses; parks; athletic fields; school, industrial, and institutional campuses; and residential lawns. "Hands on" applications associated with turf grass management and sports field management will be applied to include; establishing turf, fertilizing, irrigating, and pest management control of grassed areas; operating and maintaining machinery and equipment.

Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2022-.)

### **18309A001 Urban Agriculture**

### **CTE Course**

Urban Agriculture courses explore the principles and practices of urban agricultural production. Topics typically include urban crop production, harvesting, and management strategies. Other topics may include ethical, social, and environmental impacts of food and urban farming, and urban agriculture as a social movement. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2020-.)

### **18505A002 Urban Forestry**

### **CTE Course**

Urban Forestry courses provide introduction to principles and practices useful in the management of trees and forests in urban settings. Topics typically include the benefits of trees and forestry; duties and responsibilities of municipal foresters; street tree management planning; and management strategies consistent with the biological, physical, economic and social constraints of the urban environment. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18105A000 Veterinary Science**

Veterinary Science courses impart information about the causes, diagnosis, and treatment of diseases and injuries of animals, typically emphasizing domestic companion and farm animals. Course topics focus on anatomy and physiology, nutrition, behavior and training, disease prevention, reproduction, ethics of animal care, grooming, feeding, maintaining equipment and facilities, and other areas of study as appropriate. (Available SY 2011-.)

### **18105A001 Veterinary Science**

### **CTE Course**

This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Topics to be discussed include veterinary terminology, anatomy and physiology, pathology, genetics, handling and restraint, first-aid, and physical examinations along with common surgical skills. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and

Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2011-.)

### **18105A002 Veterinary Science**

### **CTE Course**

Veterinary Science courses impart information about the causes, diagnosis, and treatment of diseases and injuries of animals, typically emphasizing domestic and farm animals. Course topics focus on anatomy and physiology, nutrition, behavior, and reproduction, but may also include other areas of study as appropriate. (Available SY 2019-2019.)

### **18311A000 Viticulture**

Viticulture courses prepare students for further studies in grape-growing, viticulture, and wine-making industry. Course topics typically include establishing and managing vineyards; harvesting; fermentation and wine making; marketing; and exploring career options within the industry. Agricultural applications specific to vineyards and wineries are emphasized. (Available SY 2021-.)

### **18311A001 Viticulture**

### **CTE Course**

Viticulture courses prepare students for further studies in grape-growing, viticulture, and wine-making industry. Course topics typically include establishing and managing vineyards; harvesting; fermentation and wine making; marketing; and exploring career options within the industry. Agricultural applications specific to vineyards and wineries are emphasized. (Available SY 2021-.)

### **18406A000 Water Treatment**

Water Treatment courses provide instruction regarding the environmental hazards associated with identifying and accepting waste water disposal. Course topics typically include waste water, the steps in waste water treatment, compliance with applicable regulations, and the use of water-testing instruments and water-treatment equipment to treat wastewater. (Available SY 2021-.)

### **18406A001 Water Treatment**

### **CTE Course**

Water Treatment courses provide instruction regarding the environmental hazards associated with identifying and accepting waste water disposal. Course topics typically include waste water, the steps in wastewater treatment, compliance with applicable regulations, and the use of water-testing instruments and water-treatment equipment to treat wastewater. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an

integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)

### **18501A000 Wildlife and Recreation Management**

Formerly known as Wildlife Management, Wildlife and Recreation Management courses provide students with the opportunity to understand and appreciate the importance of maintaining the land and ecological systems that enable nondomesticated animals to thrive. These courses emphasize how humans and animals may both take advantage of the same land or how to gain economic benefits from the land while not degrading its natural resources or depleting plant or animal populations. Students may also learn how to manage wildlife and lands for recreational purposes. (Available SY 2011-.)

### **18501A001 Wildlife Management**

**CTE Course**

Often with an emphasis on the conservation of natural resources and frequently including outdoor recreation topics. Wildlife Management courses provide students with the opportunity to understand and appreciate the importance of maintaining the land and ecological systems that enable non-domesticated animals to thrive. Wildlife Management courses emphasize how humans and animals may both take advantage of the same land or how to gain economic benefits from the land while not degrading its natural resources or depleting plant or animal populations. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Available SY 2021-.)



## **19 Human Services**

### **19247A000 Apparel and Furnishings—Independent Study**

Apparel and Furnishings—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to apparel, textiles, and furnishings. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **19249A000 Apparel and Furnishings—Other**

Other Apparel and Furnishings Carecourses. (Available SY 2011-.)

### **19248A000 Apparel and Furnishings—Workplace Experience**

Apparel and Furnishings—Workplace Experience courses provide students with work experience in fields related to apparel, textiles, and furnishings. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **19204A000 Apparel and Textile Services**

Apparel and Textile Services courses introduce students to and expand upon various services that concern the care and maintenance of apparel, textiles, and furnishing. Course topics may include upholstery, dry cleaning, commercial sewing, and tailoring. (Available SY 2011-.)

### **19248A001 Apparel and Textiles Workplace Experience**

**CTE Course**

Apparel and Textiles Workplace Experience courses provide students with work experience in fields related to apparel and textiles. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship

programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **19203A000 Apparel Construction**

Apparel Construction courses provide students with the knowledge and skill to construct, alter, and repair clothing and textile products. Course topics typically include taking measurements, creating and preparing patterns, and various sewing techniques; topics may also include customer service, fashion design principles, and business management. These courses may also offer specialized knowledge in a particular type of garment. (Available SY 2011-.)

### **19102A000 Barbering**

Barbering courses provide students with the skills and experience to shave, style, and trim mustaches and beards and to cut, shampoo, and style hair. Course topics include hygiene, skin and scalp disease, and use of equipment. Barbering courses may aim to prepare students for the state's licensing examinations, and may include topics similar to those included in Cosmetology courses. (Available SY 2011-.)

#### **19102A001 Barbering I**

#### **CTE Course**

This is the first year of a two year program in Barbering. The barbering program must be approved and licensed by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation and meet all state and federal regulations. This course offers students curriculum in both theory and practice in the following areas as they relate to the practice of barber science and art: anatomy; physiology; skin diseases; hygiene and sanitation; barber history; barber law; hair cutting and styling; shaving, shampooing, and permanent waving; massaging; and barber implements as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act. Knowledge, skills, and activities completed in this course will help prepare students for Barbering II, while earning hours towards licensure. (Available SY 2011-.)

#### **19102A002 Barbering II**

#### **CTE Course**

This is the second year of a two year program in Barbering. The barbering program must be approved and licensed by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation and meet all state and federal regulations. It offers advanced theoretical and practical skill development to prepare students for the barbering license exam. Training will cover at a minimum: anatomy; physiology; skin diseases; hygiene and sanitation; barber history; barber law; hair cutting and styling; shaving, shampooing, and permanent waving; massaging; bleaching, tinting, and coloring; and barber implements as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act, as well as labor and compensation laws. Knowledge, skills, and activities completed in Barbering I and II will prepare students to take the

licensure exam and progression to obtain the 1500 hours of study in barbering. (Available SY 2011-.)

### **19148A002 Barbering Workplace Experience**

### **CTE Course**

Cosmetology Workplace Experience courses provide students with work experience in the barbering field. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **19055A001 Care and Learning Services Management**

### **CTE Course**

This course emphasizes the skills associated with the administration of the infant, child and adult care facilities and education centers. Skills, strategies and issues related to caring for infants and special needs children and adults, where applicable, are included. Emphasis is placed on career opportunities, communication skills, human relations and the service needs of clients in the occupational area. The major learning experiences will involve actual work with children and/or adults in facilities simulating those found in the workplace/industry, and discussion of the situations and problems that arise during the learning experiences. State licensing and certification requirements and regulations related to all-aspects of care and education are stressed throughout the course. Careers in the occupational area will be investigated, including entrepreneurship. (Available SY 2011-.)

### **19054A001 Care and Learning Services Occupations**

### **CTE Course**

This course provides students with information and practical experiences needed for the development of competencies related to child/adult care, day care, and other education services occupations. Laboratory experiences, either in a school-based or worksite learning facility, are included throughout the class. Students meet standards in developing programs and assisting with children's and/or adult's activities. Classroom study includes the philosophy and management of care centers and the state and local regulations governing care-giving operations. The learning experiences will involve working with children/adults simulating those found in business and industry, as well as preparation for developing and facilitating these activities. (Available SY 2011-.)

### **19054A000 Child and Adult Care Services**

Formerly known as Caregiving Service, Child and Adult Care Services courses emphasize the care of human beings who are unable or who need assistance to care for themselves. These courses involve the study of the biological, physiological, social, and psychological needs and concerns of young children, the elderly, and/or the disabled. Additional topics may include economic and legal issues, planning daily routines; appropriate environments and activities; growth and aging processes; and techniques for managing a center or working in others' homes. (Available SY 2011-.)

### **19097A000 Child and Elder Care—Independent Study**

Child and Elder Care—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to child and elder care. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **19099A000 Child and Elder Care—Other**

Other Child and Elder Care courses. (Available SY 2011-.)

### **19098A000 Child and Elder Care—Workplace Experience**

Child and Elder Care—Workplace Experience courses provide students with work experience in fields related to caring for others. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **19051A000 Child Care**

Child Care courses provide students with knowledge about the physical, mental, emotional, and social growth and development of children from birth through pre-school age. Main topics include the fundamentals of working with infants, toddlers, and older children; providing healthy environments; evaluating child care settings; and examining the practices, regulations, and opportunities in the child care industry. Often Child Care courses provide students with practical experience, including observation time in a child care center. Advanced topics may include various learning theories; development of activities; operation of a child care center; recognition of childhood diseases, abuse, and neglect; and first aid/emergency training. (Available SY 2011-.)

**19051A001 Child Care****CTE Course**

Child Care courses provide students with knowledge about the physical, mental, emotional, and social growth and development of children from birth through pre-school age. Main topics include the fundamentals of working with infants, toddlers, and older children; providing healthy environments; evaluating child care settings; and examining the practices, regulations, and opportunities in the child care industry. Often Child Care courses provide students with practical experience, including observation time in a child care center. Advanced topics may include various learning theories; development of activities; operation of a child care center; recognition of childhood diseases, abuse, and neglect; and first aid/emergency training. (Available SY 2020-.)

**19098A002 Child Care Workplace Experience****CTE Course**

Child Care Workplace Experience courses provide students with work experience in fields related to caring for children. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

**19052A000 Child Development**

Child Development courses provide students with knowledge about the physical, mental, emotional, social, and moral growth and development of children from conception to pre-school age, emphasizing the application of this knowledge in child care settings and/or home environments. Brain development and current developmental research are addressed. These courses typically include related topics such as the appropriate care of infants, toddlers, and young children. (Available SY 2011-.)

**19052A001 Child Development and Parenting****CTE Course**

Child Development and Parenting addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. The focus is on research-based nurturing and parenting practices and skills, including brain development research, that support positive development of children. Students will explore opportunities in human services and education-related careers and develop a career portfolio. (Available SY 2011-.)

### **22204A000 Child Development/Parenting**

Child Development/Parenting courses provide students with knowledge about family systems and relationships and information about how parents can address the physical, mental, emotional, and social growth and development of children from conception to adolescence. In addition, these courses help students discover how parents should respond to the various stages of childhood. Course content typically includes topics such as prenatal development and birth processes, responsibilities and difficulties of parenthood, family structures, societal and cultural influences, fundamentals of children's emotional and physical development, and the appropriate care of infants, toddlers, and young and school-aged children. These courses may also cover topics specific to teen parenting. (Available SY 2011-2023.)

### **19255A000 Child Development/Parenting**

Child Development/Parenting courses provide students with knowledge about family systems and relationships and information about how parents can address the physical, mental, emotional, and social growth and development of children from conception to adolescence. In addition, these courses help students discover how parents should respond to the various stages of childhood. Course content typically includes topics such as prenatal development and birth processes, responsibilities and difficulties of parenthood, family structures, societal and cultural influences, fundamentals of children's emotional and physical development, and the appropriate care of infants, toddlers, and young and school-aged children. These courses may also cover topics specific to teen parenting. (Available SY 2024-.)

### **19154A001 Classroom Management**

**CTE Course**

Classroom Management courses presents best practices in classroom and behavior management. Topics will include: organizing time, instruction, materials, and classroom space; strategies for managing individual and large group student behaviors; developing relationships with students, staff, and parents; managing transitions, lab activities, and other arrangements for classrooms in general and special education. (Available SY 2021-.)

### **19201A000 Clothing and Textiles**

Clothing and Textiles courses introduce students to and expand upon the various aspects of apparel, garment construction, and the textile industry, conveying the commercial application of design principles, production processes, and maintenance techniques. These courses usually address the selection, characteristics, care, and repair of various textiles; operation and care of commercial sewing machines; design, construction, and production of fabrics and/or garments; and career opportunities in the garment or textile industry. (Available SY 2011-.)

### **19256A000 Clothing/Sewing**

Clothing/Sewing courses introduce students to and expand their knowledge of various aspects of wearing apparel, sewing, and fashion. These courses typically include wardrobe planning; selection, care, and repair of various materials; and construction of one or more garments. They may also include related topics, such as fashion design and history, the social and psychological aspects of clothing, careers in the clothing industry, and craft sewing. (Available SY 2024-.)

### **22205A000 Clothing/Sewing**

Clothing/Sewing courses introduce students to and expand their knowledge of various aspects of wearing apparel, sewing, and fashion. These courses typically include wardrobe planning; selection, care, and repair of various materials; and construction of one or more garments. They may also include related topics, such as fashion design and history, the social and psychological aspects of clothing, careers in the clothing industry, and craft sewing. (Available SY 2011-2023.)

### **72205A000 Clothing/Sewing (prior-to-secondary)**

Clothing/Sewing courses introduce students to and expand their knowledge of various aspects of wearing apparel, sewing, and fashion. These courses typically include wardrobe planning; selection, care, and repair of various materials; and construction of one or more garments. They may also include related topics, such as fashion design, fashion history, the social and psychological aspects of clothing, careers in the clothing industry, and craft sewing. (Available SY 2012-2023.)

### **19202A000 Clothing/Textile Maintenance**

Clothing/Textile Maintenance courses provide students with the knowledge and skills to clean, care for, and maintain clothing and textiles. Course topics typically include dry cleaning and laundering techniques, identifying fabrics and the optimal cleaning agents and processes, instruction in altering and repairing garments, and the safe use of the equipment, tools, and agents. (Available SY 2011-.)

### **19202A001 Clothing/Textile Maintenance**

**CTE Course**

Clothing/Textile Maintenance courses provide students with the knowledge and skills to clean, care for, and maintain clothing and textiles. Course topics typically include dry cleaning and laundering techniques, identifying fabrics and the optimal cleaning agents and processes, instruction in altering and repairing garments, and the safe use of the equipment, tools, and agents. (Available SY 2021-.)

### **19262A000 Consumer Economics/Personal Finance**

Consumer Economics/Personal Finance courses provide students with an understanding of the concepts and principles involved in managing one's personal finances. These courses emphasize lifespan goal-setting, individual and family decisionmaking, and consumer rights as well as topics that are commonly associated with personal finance so that one can become a financially responsible consumer. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also investigate the effects of the global economy on consumers and the family. (Available SY 2024-.)

**19262A001 Consumer Economics/Personal Finance**

**CTE Course**

Consumer Economics/Personal Finance courses provide students with an understanding of the concepts and principles involved in managing one's personal finances. These courses emphasize lifespan goal-setting, individual and family decisionmaking, and consumer rights as well as topics that are commonly associated with personal finance so that one can become a financially responsible consumer. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also investigate the effects of the global economy on consumers and the family. (Available SY 2021-.)

**22210A000 Consumer Economics/Personal Finance**

Consumer Economics/Personal Finance courses provide students with an understanding of the concepts and principles involved in managing one's personal finances. These courses emphasize lifespan goal-setting, individual and family decisionmaking, and consumer rights as well as topics that are commonly associated with personal finance so that one can become a financially responsible consumer. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also investigate the effects of the global economy on consumers and the family. (Available SY 2011-2023.)

**72210A000 Consumer Economics/Personal Finance (prior-to-secondary)**

Consumer Economics/Personal Finance courses provide an understanding of the concepts and principles involved in managing one's personal finances. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also provide an overview of the American economy. (Available SY 2012-2023.)

**19101A001 Cosmetology I**

**CTE Course**

The Cosmetology program must be approved and licensed by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation and meet all state and federal



regulations. Cosmetology I provides introduces students to the requirements to become a licensed cosmetologist. It offers students instruction in both theory and practical application in the following areas: tools and their use, shampoo, understanding chemicals and use, types of hair, sanitation, hygiene, skin diseases and conditions, anatomy and physiology, electricity, ethics, nail technology and esthetics as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act. Knowledge, skills, and activities completed in this course will help prepare students for Cosmetology II, while earning hours towards licensure. (Available SY 2011-.)

### **19101A002 Cosmetology II**

### **CTE Course**

The Cosmetology program must be approved and licensed by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation and meet all state and federal regulations. Cosmetology II will build upon the knowledge and skills attained in Cosmetology I and will provide instruction, which may be a combination of classroom instruction and hands on experience in the following areas: practical chemical application/hair treatment, hair styling/hair dressing, and shop management, sanitation and interpersonal relations as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act, as well as labor and compensation laws. Instruction may also include instruction in nail technology, esthetics, individualized skill development, and career planning. This course offers a curriculum of advanced theoretical and practical skill development to prepare students for the cosmetology licensure examination and progression to obtain the 1500 hours of study in cosmetology. (Available SY 2011-.)

### **19148A001 Cosmetology Workplace Experience**

### **CTE Course**

Cosmetology Workplace Experience courses provide students with work experience in the cosmetology field. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **19106A000 Cosmetology—Facial Specialization**

Cosmetology—Facial Specialization courses offer students information and experience related to skin care, the provision of facials, make-up application, and facial massage. These courses may also include topics such as hygiene and sanitation, human anatomy and skin conditions, entrepreneurship, and/or human relations. (Available SY 2011-.)

### **19147A000 Cosmetology—Independent Study**

Cosmetology—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to cosmetology. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **19101A000 Cosmetology—Licensing**

Cosmetology—Licensing courses provide students with the knowledge and skills applicable to the care of hair, skin, and nails, and prepare students for the state's Board of Cosmetology examinations. Almost always a series of courses with a specified number of instructional hours, Cosmetology—Licensing courses also require applied experience. Course content covers such topics as human anatomy and skin conditions, chemistry and bacteriology, sanitation and sterilization, state laws and regulations, and shop management. These courses provide students with experiences in shampooing, cutting, styling, bleaching, coloring, tinting, waving, and relaxing hair and providing facials and manicures. (Available SY 2011-.)

### **19105A000 Cosmetology—Nail Specialization**

Cosmetology—Nail Specialization courses offer students experience in providing manicures, pedicures, and nail extension treatments. These courses may also include topics such as hygiene, entrepreneurship, human relations, and other related subject matter. (Available SY 2011-.)

### **19104A000 Cosmetology—Non-licensing**

Cosmetology—Non-licensing courses provide students with the knowledge and skills applicable to the care of hair, skin, and nails, but do not necessarily prepare students for the state's Board of Cosmetology examinations. Students gain experience in hair care, facials, and manicures; course topics usually include human anatomy, sanitation and sterilization, and related chemistry and bacteriology. Shop management and state regulations may also be included. (Available SY 2011-.)

### **19149A000 Cosmetology—Other**

Other Cosmetology courses. (Available SY 2011-.)

### **19148A000 Cosmetology—Workplace Experience**

Cosmetology—Workplace Experience courses provide students with work experience in the cosmetology field. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **19301A000 Counseling and Mental Health**

Counseling and Mental Health courses provide students with the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. These courses allow students to apply their knowledge of ethical and legal responsibilities, the limitations of these responsibilities, and the implications of their actions. (Available SY 2021-.)

#### **19301A001 Counseling and Mental Health**

**CTE Course**

Counseling and Mental Health courses provide students with the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. These courses allow students to apply their knowledge of ethical and legal responsibilities, the limitations of these responsibilities, and the implications of their actions. (Available SY 2021-.)

#### **19154A002 Diversity in Education**

**CTE Course**

The Diversity in Education course prepares future teachers to effectively serve and teach children from diverse backgrounds. The course topics could include: methods of creating an environment of respect and rapport; recognizing the need for cultural competence to support all students for success; acknowledging, responding to, and celebrating diverse cultures; identifying, reflecting on, and countering students' own identities and implicit biases; and teaching students to recognize their own agency and develop the needed skills to advocate effectively within a school community. (Available SY 2021-.)

#### **19199A001 Diversity in Education**

**CTE Course**

The Diversity in Education course prepares future teachers to effectively serve and teach children from diverse backgrounds. The course topics could include: methods of creating an environment of respect and rapport; recognizing the need for cultural competence to support all students for success; acknowledging, responding to, and celebrating diverse cultures; identifying, reflecting on, and countering students' own identities and implicit biases; and teaching students to recognize their own agency and develop the needed skills to advocate effectively within a school community (Available SY 2020-2020.)

**19153A001 Early Childhood Education****CTE Course**

This course prepares students to guide the development of young children in an educational setting through classroom and job shadowing experiences. Course content includes child development, care, and education issues. Project-based learning experiences include planning and implementing developmentally appropriate activities, basic health and safety practices, and legal requirements of teaching young children. Students will research the requirements of early childhood education careers and develop/expand their career portfolio. (Available SY 2011-.)

**19198A002 Early Childhood Education Workplace Experience****CTE Course**

Early Childhood Education Workplace Experience courses provide work experience in fields related to Early Childhood Education. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

**19198A003 Education & Training Workplace Experience****CTE Course**

Education & Training Workplace Experience courses provide work experience in fields related to the Education & Training cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

**19197A000 Education—Independent Study**

Education—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to education. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **19199A000 Education—Other**

Other Education courses. (Available SY 2011-.)

### **19198A000 Education—Workplace Experience**

Education—Workplace Experience courses provide students with work experience in fields related to education. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **19152A000 Educational Methodology**

Educational Methodology courses prepare students to teach and guide others. These courses typically provide opportunities for students to develop their own teaching objectives, to design lesson plans, and to experience teaching in a controlled environment. Students examine and practice teaching strategies, learning styles, time management and planning strategies, presentation and questioning skills, classroom management, and evaluation techniques. (Available SY 2011-.)

#### **19152A001 Educational Methodology**

#### **CTE Course**

This course provides opportunity for students to develop skills to teach and guide others. Coursework includes opportunity for students to create and develop teaching objectives, design lesson plans, and experience teaching in a controlled environment. Students examine and practice teaching strategies, learning styles, time management and planning strategies, presentation and questioning skills, classroom management, and evaluation techniques. Students will explore opportunities in education careers and develop/expand their career portfolio. (Available SY 2011-.)

### **19053A000 Elder Care**

Elder Care courses emphasize the care of human beings as they grow older. These courses involve the study of the biological, physiological, social, and psychological needs and concerns of the elderly, and deal with economic and legal issues, the aging process, death, and dying in a realistic manner. Elder Care courses may cover work and personal habits appropriate to the field, and may also offer the opportunity to explore various careers. (Available SY 2011-.)

**19053A002 Elder Care****CTE Course**

Elder Care courses emphasize the care of human beings as they grow older. These courses involve the study of the biological, physiological, social, and psychological needs and concerns of the elderly, and deal with the aging process, death, and dying in a realistic manner. Elder Care courses may cover work and personal habits appropriate to the field, and may also offer the opportunity to explore various careers. (Available SY 2019-.)

**19098A001 Elder Care Workplace Experience****CTE Course**

Elder Care Workplace Experience courses provide students with work experience in fields related to caring for the elderly. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

**19206A001 Facilities Planning and Management Services****CTE Course**

This course focuses on strategic workplace and facility planning and prepares individuals to function as facility and event managers and workplace consultants. Instruction includes the following: principles of aesthetic and functional design; environmental psychology and organizational behavior; real estate planning; principles of occupational health and safety; event planning and management; operations management; and applicable regulatory and policy issues. (Available SY 2011-2020.)

**22207A001 Family and Career Relationships****CTE Course**

This course is designed to focus on the knowledge, attitudes, and behaviors needed to participate in positive, caring, and respectful relationships in the family, community, and workplace. This project-based course uses communication, leadership and management methods to develop knowledge and behaviors necessary for individuals to become independent, contributing, and responsible participants in family, community, and career settings. Emphasis is placed on the development of techniques and strategies to assist individuals in responding to situations presented in family relationships and the workplace. The course content includes: managing responsibilities, satisfactions and stresses of work and family life; analyzing personal standards, needs, aptitudes and goals; roles and responsibilities of living independently and as a family member; demonstrating goal-setting and decision-making skills; identifying and utilizing community resources; and developing effective relationships to promote communication with

others. The course provides students content to identify resources that will assist them in managing life situations. (Available SY 2011-2021.)

### **72201A000 Family and Consumer Science – Comprehensive**

Family and Consumer Science-Comprehensive courses are inclusive studies of knowledge and skills that are useful for the efficient and productive management of the home. Course topics typically include foods and nutrition; clothing; child development and care; housing design, decoration, and maintenance; consumer decisions and personal financial management; and interpersonal relationships. (Available SY 2012-2023.)

### **72249A000 Family and Consumer Science – Other**

(Available SY 2012-2023.)

### **19295A000 Family and Consumer Science—Aide**

Family and Consumer Science—Aide courses offer students the opportunity to assist instructors in preparing, organizing or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2024-.)

### **22245A000 Family and Consumer Science—Aide**

Family and Consumer Science—Aide courses offer students the opportunity to assist instructors in preparing, organizing or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-2023.)

### **19251A000 Family and Consumer Science—Comprehensive**

Family and Consumer Sciences—Comprehensive courses help students to develop the knowledge and skills that are used to manage one's family and career efficiently and productively. Course topics typically include foods and nutrition; apparel; child care and development; housing, interior design, and maintenance; consumer decisions; personal financial management; interpersonal relationships; and careers available in family and consumer sciences. (Available SY 2024-.)

### **22201A000 Family and Consumer Science—Comprehensive**

Family and Consumer Sciences—Comprehensive courses help students to develop the knowledge and skills that are used to manage one’s family and career efficiently and productively. Course topics typically include foods and nutrition; apparel; child care and development; housing, interior design, and maintenance; consumer decisions; personal financial management; interpersonal relationships; and careers available in family and consumer sciences. (Available SY 2011-2023.)

### **22247A000 Family and Consumer Science—Independent Study**

Family and Consumer Science—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to home- and self-management. Independent Study courses may provide students with an opportunity to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-2023.)

### **19297A000 Family and Consumer Science—Independent Study**

Family and Consumer Science—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to home- and self-management. Independent Study courses may provide students with an opportunity to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2024-.)

### **19299A000 Family and Consumer Science—Other**

Other Family and Consumer Science courses. (Available SY 2024-.)

### **22249A000 Family and Consumer Science—Other**

Other Family and Consumer Science courses. (Available SY 2011-2023.)

### **19251A002 Family and Consumer Sciences**

**CTE Course**

Family and Consumer Sciences courses help students to develop the knowledge and skills that are used to manage one’s family and career efficiently and productively. Course topics typically include foods and nutrition; apparel; child care and development; housing, interior design, and maintenance; consumer decisions; personal financial management; interpersonal relationships; and careers available in family and consumer sciences. (Available SY 2021-.)



**22249A001 Family and Consumer Sciences Communications****CTE Course**

This course provides the opportunity for students to investigate and analyze current family and consumer sciences issues and determine how they affect people on all sides of the issue. Students will participate in projects and activities that will reinforce goal-setting, character development, parliamentary procedure, and other leadership traits to become successful in life and the workplace. The students will develop and enhance their written and verbal communication skills through presentations of their views and opinions. Students will demonstrate their ability to arrange and present information through a variety of experiences, including but not limited to written, debate, testimonial, and interviews. Participation in Family, Career, and Community Leaders of America (FCCLA) student organization programs and activities are an integral course component for leadership development, career exploration, and reinforcement of academic concepts. Community service projects and opportunities to practice communication and leadership skills will be an integral part of this course. (Available SY 2013-2021.)

**19299A001 Family and Consumer Sciences Communications****CTE Course**

This course provides the opportunity for students to investigate and analyze current family and consumer sciences issues and determine how they affect people on all sides of the issue. Students will participate in projects and activities that will reinforce goal-setting, character development, parliamentary procedure, and other leadership traits to become successful in life and the workplace. The students will develop and enhance their written and verbal communication skills through presentations of their views and opinions. Students will demonstrate their ability to arrange and present information through a variety of experiences, including but not limited to written, debate, testimonial, and interviews. Participation in Family, Career, and Community Leaders of America (FCCLA) student organization programs and activities are an integral course component for leadership development, career exploration, and reinforcement of academic concepts. Community service projects and opportunities to practice communication and leadership skills will be an integral part of this course. (Available SY 2021-.)

**19298A000 Family and Consumer Sciences—Workplace Experience**

Family and Consumer Sciences—Workplace Experience courses provide students with work experience in a fields related to family and consumer sciences. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2021-.)

**22208A000 Family and Interpersonal Relationships**

Formerly known as Family Living, Family and Interpersonal Relationships courses emphasize building and maintaining healthy interpersonal relationships among family members and other members of society. These courses often emphasize (but are not limited to) topics such as the

responsibilities of a family and wage earner, balancing a career and personal life, human sexuality and reproduction, marriage preparation, parenthood and the function of the family unit, the family life cycle, and life stages. They also cover topics related to stages of growth and social/dating practices (Available SY 2011-2023.)

### **19259A000 Family and Interpersonal Relationships**

Formerly known as Family Living, Family and Interpersonal Relationships courses emphasize building and maintaining healthy interpersonal relationships among family members and other members of society. These courses often emphasize (but are not limited to) topics such as the responsibilities of a family and wage earner, balancing a career and personal life, human sexuality and reproduction, marriage preparation, parenthood and the function of the family unit, the family life cycle, and life stages. They also cover topics related to stages of growth and social/dating practices (Available SY 2024-.)

### **72208A000 Family and Interpersonal Relationships (prior-to-secondary)**

Formerly known as Family Living, Family and Interpersonal Relationships courses emphasize building and maintaining healthy interpersonal relationships among family members and other members of society. These courses often emphasize (but are not limited to) topics such as the responsibilities of a family and wage earner, balancing a career and personal life, human sexuality and reproduction, marriage preparation, parenthood and the function of the family unit, the family life cycle, and life stages. They also cover topics related to stages of growth and social/dating practices (Available SY 2012-2023.)

### **22210A001 Family Resource Management and Planning**

**CTE Course**

This course focuses on the identification and management of personal and family resources to meet the needs, values, and wants of individuals and families throughout the life cycle. The course utilizes a variety of project-based experiences and service learning opportunities to gain knowledge and expertise in understanding and applying management skills, with consideration to diverse social, economic, technological, environmental, and cultural characteristics of individuals and families. Topics include: consumer rights and responsibilities in the marketplace; financial responsibility and decision making; planning and money management; credit and debt; risk management and insurance; saving and investment; homeownership; state and federal taxes; electronic banking; and current issues in the economy. (Available SY 2011-2021.)

### **19204A001 Fashion, Apparel, and Textile Services Occupations**

**CTE Course**

This course prepares students for employment and higher education programs of study related to the broad spectrum of careers encompassed in fashion, apparel, and textile industries. This course provides students with opportunities to: analyze the influences of social, cultural, and environmental diversity in the fashion, apparel, and textile industry; investigate applicable

regulatory and policy issues; assess product quality; develop a design portfolio; refine and develop industry skills necessary to employment in fashion, apparel, and/or textiles; model proper safety procedures; communicate with potential customers/clients using industry terminology; perform operational functions; and research current industry employment opportunities, including the investigation of entrepreneurship. (Available SY 2011-.)

### **22202A000 Food Preparation and Health Management**

Formerly known as Food and Nutrition, Food Preparation and Health Management courses provide students with an understanding of food's role in society, instruction in how to plan and prepare meals, and information about the nutritional and health benefits of minimizing processed and prepared food and prepackaged/prepared meals from one's diet. These courses not only build on the basic skills of food preparation but also address financial considerations and recipe conversion to make foods healthier. Some courses place a heavier emphasis on a balanced diet, while others concentrate on specific types of food preparation (such as low sodium, low fat, or increased whole foods). These courses will also address current issues such as organic foods and vegan cooking. (Available SY 2011-2023.)

### **19252A000 Food Preparation and Health Management**

Formerly known as Food and Nutrition, Food Preparation and Health Management courses provide students with an understanding of food's role in society, instruction in how to plan and prepare meals, and information about the nutritional and health benefits of minimizing processed and prepared food and prepackaged/prepared meals from one's diet. These courses not only build on the basic skills of food preparation but also address financial considerations and recipe conversion to make foods healthier. Some courses place a heavier emphasis on a balanced diet, while others concentrate on specific types of food preparation (such as low sodium, low fat, or increased whole foods). These courses will also address current issues such as organic foods and vegan cooking. (Available SY 2024-.)

### **19252A001 Food Preparation and Health Management**

**CTE Course**

Formerly known as Food and Nutrition, Food Preparation and Health Management courses provide students with an understanding of food's role in society, instruction in how to plan and prepare meals, and information about the nutritional and health benefits of minimizing processed and prepared food and prepackaged/prepared meals from one's diet. These courses not only build on the basic skills of food preparation but also address financial considerations and recipe conversion to make foods healthier. Some courses place a heavier emphasis on a balanced diet, while others concentrate on specific types of food preparation (such as low sodium, low fat, or increased whole foods). These courses will also address current issues such as organic foods and vegan cooking. (Available SY 2021-.)

## **72202A000 Food Preparation and Health Management (prior-to-secondary)**

Formerly known as Food and Nutrition, Food Preparation and Health Management courses provide students with an understanding of food's role in society, instruction in how to plan and prepare meals, and information about the nutritional and health benefits of minimizing processed and prepared food and prepackaged/prepared meals from one's diet. These courses not only build on the basic skills of food preparation but also address financial considerations and recipe conversion to make foods healthier. Some courses place a heavier emphasis on a balanced diet, while others concentrate on specific types of food preparation (such as low sodium, low fat, or increased whole foods). These courses will also address current issues such as organic foods and vegan cooking. (Available SY 2012-2023.)

## **19254A000 Food Science**

Food Science courses offer opportunities for students to study the composition, structure, and properties of foods and their components as well as the consumption of food and the chemical changes that occur during the processing, storage, preparation, and consumption of food for the consumer. These courses often explore the effects of various materials, microorganisms, and processes on food products through laboratory experiments and can address food innovations to meet the needs of society. Culinary techniques and the safe handling of food in the home environment are commonly included. (Available SY 2024-.)

## **19254A001 Food Science**

### **CTE Course**

The scientific method is used to study foods as a combination of chemical, physical and biological sciences. Laboratory skills in measuring, recording, and analyzing data are used to explore the interrelationship of food science to the other sciences; the scientific evaluation of food, matter, electrolyte solutions, energy, nutrition; food safety; and food chemistry. Experimental methods are used to analyze food mixtures, food microbiology, fermentation, sensory processes, the preservation of foods and complex food systems. Technology is studied as it relates to product development, consumer needs and experimental designs. Emphasis is placed on emerging careers in food science and biotechnology and the application of food science in food service, nutrition, dietetics, and product development. (Available SY 2021-.)

## **22203A000 Food Science**

Food Science courses offer opportunities for students to study the composition, structure, and properties of foods and their components as well as the consumption of food and the chemical changes that occur during the processing, storage, preparation, and consumption of food for the consumer. These courses often explore the effects of various materials, microorganisms, and processes on food products through laboratory experiments and can address food innovations to meet the needs of society. Culinary techniques and the safe handling of food in the home environment are commonly included. (Available SY 2011-2023.)

**22203A001 Food Science****CTE Course**

The scientific method is used to study foods as a combination of chemical, physical and biological sciences. Laboratory skills in measuring, recording, and analyzing data are used to explore the interrelationship of food science to the other sciences; the scientific evaluation of food, matter, electrolyte solutions, energy, nutrition; food safety; and food chemistry. Experimental methods are used to analyze food mixtures, food microbiology, fermentation, sensory processes, the preservation of foods and complex food systems. Technology is studied as it relates to product development, consumer needs and experimental designs. Emphasis is placed on emerging careers in food science and biotechnology and the application of food science in food service, nutrition, dietetics, and product development. (Available SY 2011-2021.)

**72203A000 Food Science (prior-to-secondary)**

Food Science courses offer opportunities for students to study the composition, structure, and properties of foods and the chemical changes that occur during the processing, storage, preparation, and consumption of food. These courses often explore the effects of various materials, microorganisms, and processes on food products through laboratory experiments. (Available SY 2012-2023.)

**19151A001 Foundations to Teaching****CTE Course**

This course introduces students to the principles underlying teaching and learning, responsibilities and duties of teachers, and strategies and techniques to deliver knowledge and information. A combination of classroom and field experiences will enable the student gain skilled knowledge and understanding of the education profession. Course content includes projects to develop an understanding of the learner and the learning process, instructional planning, the learning environment, assessment and instructional strategies, career opportunities in the field of education, and Illinois regulations and licensing requirements. (Available SY 2011-.)

**19198A001 General Education Workplace Experience****CTE Course**

General Education Workplace Experience courses provide students with work experience in fields related to general education. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **19103A000 Hair Styling**

Hair Styling courses provide students with the skills and experience to cut, shampoo, and style hair. Course topics include hygiene, skin and scalp disease, and use of equipment. These courses provide students with experiences in shampooing, cutting, styling, bleaching, coloring, tinting, waving, and relaxing hair. (Available SY 2011-.)

### **22211A000 Home Environments and Design**

Formerly known as Home Décor, Home Environments and Design courses provide students with knowledge and skills regarding interior design and decoration of the home for the individual or family. While exploring design principles, personal needs and style and decision making, students may have an opportunity to explore such topics as color, texture, furniture styles and arrangement, lighting, window treatments, floor, wall coverings and home improvement/modification. These courses emphasize personal (rather than commercial) use and application of home décor principles. (Available SY 2011-2023.)

### **19263A000 Home Environments and Design**

Formerly known as Home Décor, Home Environments and Design courses provide students with knowledge and skills regarding interior design and decoration of the home for the individual or family. While exploring design principles, personal needs and style and decision making, students may have an opportunity to explore such topics as color, texture, furniture styles and arrangement, lighting, window treatments, floor, wall coverings and home improvement/modification. These courses emphasize personal (rather than commercial) use and application of home décor principles. (Available SY 2024-.)

### **19205A000 Home Furnishing**

Home Furnishing courses provide students with basic knowledge regarding furnishing and decorating home environments. While exploring design principles, personal or customer needs and style, and decisionmaking, students may also explore the following topics: color, texture, furniture styles and arrangement, lighting, window treatments, floor and wall coverings, and home improvement/modification. Home Furnishing courses may also cover architectural style and design and take a larger look at housing problems or current housing issues. (Available SY 2011-.)

### **19206A000 Home Furnishings Production**

Home Furnishings Production courses enable students to plan, select, and construct upholstery, slip covers, draperies and other window treatments, and other home accessories. Some courses

may emphasize upholstery exclusively. Course content typically includes proper use of equipment, interior decorating principles, and employability skills. (Available SY 2011-.)

### **19206A002 Home Furnishings Production**

### **CTE Course**

Home Furnishings Production courses enable students to plan, select, and construct upholstery, slip covers, draperies and other window treatments, and other home accessories. Some courses may emphasize upholstery exclusively. Course content typically includes proper use of equipment, interior decorating principles, and employability skills. (Available SY 2021-.)

### **19053A001 Human Development and Family Wellness**

### **CTE Course**

This course focuses on the development and wellness of individuals and families throughout the life cycle. Topics include human development and wellness theories, principles, and practices; life cycle expectations and issues, including biological, physiological, social, and psychological needs and concerns of aging adults; community services, agencies, and resources; roles, responsibilities, and functions of families, family members and caregivers; family issues, including ethics, human worth and dignity, change, stress, neglect and abuse, and care of the care-giver; individual and family wellness planning; and fostering intergenerational relationships. Practical experiences related to these topics are included through a variety of activities such as volunteer experiences, service learning, and intergenerational event planning opportunities. Information on a variety of human and family services careers is incorporated throughout the course. (Available SY 2011-2020.)

### **19261A000 Human Growth and Development**

Human Growth and Development courses focus on the application of human development theories and stages of growth to the relationships among individuals at various stages of life, as well as provide an understanding of how people change across their lifespans. Course content may include the application of human development theories in family systems and community settings. Interactions of grandparents and their grandchildren, adult children and their aging parents, as well the similarities between caring for the elderly and caring for young children may also be explored. (Available SY 2021-.)

### **19261A001 Human Growth and Development**

### **CTE Course**

This course focuses on the development and wellness of individuals and families throughout the life cycle. Topics include human development and wellness theories, principles, and practices; life cycle expectations and issues, including biological, physiological, social, and psychological needs and concerns of aging adults; community services, agencies, and resources; roles, responsibilities, and functions of families, family members and caregivers; family issues, including ethics, human worth and dignity, change, stress, neglect and abuse, and care of the care -giver; individual and family wellness planning; and fostering intergenerational relationships. Practical

experiences related to these topics are included through a variety of activities such as volunteer experiences, service learning, and intergenerational event planning opportunities. Information on a variety of human and family services careers is incorporated throughout the course. (Available SY 2021-.)

### **69997A000 Human Services – Independent Study**

Human Services-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to providing human services. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-.)

### **69999A000 Human Services – Other**

(Available SY 2012-.)

### **19001A000 Human Services Career Exploration**

Human Services Career Exploration courses introduce and expose students to career opportunities pertaining to the provision of individual, family, personal, and consumer services for other human beings. Course topics vary and may include, but are not limited to, child development and services, counseling and mental health services, family and community services, personal care services, and consumer services. Course activities depend upon the careers being explored. (Available SY 2011-.)

### **19001A001 Human Services Career Exploration**

**CTE Course**

Human Services Career Exploration courses introduce and expose students to the career opportunities pertaining to the provision of personal and consumer services for other human beings. Course topics vary and may include (but are not limited to) caring for others, education, cosmetology, apparel/textiles, entrepreneurship, labor laws, and customer service. Course activities depend upon the careers being explored. (Available SY 2019-.)

### **69001A000 Human Services Career Exploration (prior-to-secondary)**

Human Services Career Exploration courses introduce and expose students to career opportunities pertaining to the provision of personal and consumer services for other human beings. Course topics vary and may include (but are not limited to) caring for others, education,



cosmetology, apparel/textiles, entrepreneurship, labor laws, and customer service. Course activities depend upon the careers being explored. (Available SY 2012-2023.)

### **19998A003 Human Services Workplace Experience**

### **CTE Course**

Human Services Workplace Experience courses provide work experience in fields related to the Human Services cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

### **19995A000 Human Services—Aide**

Human Services—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

### **19997A000 Human Services—Independent Study**

Human Services—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to providing human services. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **19999A000 Human Services—Other**

Other Human Services Care courses. (Available SY 2011-.)

### **19998A000 Human Services—Workplace Experience**

Human Services—Workplace Experience courses provide students with work experience in a field related to the provision of human services. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include

classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **19155A000 Instructional Technology**

Instructional Technology courses address the implementation of technical devices and processes that are used to improve and facilitate learning. Content includes, but is not limited to, productivity tools, interactive multimedia, communications, educational software and hardware, instructional applications, and ethical, legal, social, and professional issues. (Available SY 2021-.)

### **19155A001 Instructional Technology**

**CTE Course**

Instructional Technology courses address the implementation of technical devices and processes that are used to improve and facilitate learning. Content includes, but is not limited to, productivity tools, interactive multimedia, communications, educational software and hardware, instructional applications, and ethical, legal, social, and professional issues. (Available SY 2021-.)

### **19248A002 Interior Design Workplace Experience**

**CTE Course**

Interior Design Experience courses provide students with work experience in fields related to interior design. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **22211A001 Interior Design: Residential, Commercial, and Public Space**

**CTE Course**

This course provides basic knowledge and skills needed to select, acquire, furnish, maintain, and manage residential and commercial environments to meet the needs of the users/occupants. The course includes the application of the interior design elements and principles; selection and care of furnishings, equipment and accessories in relation to socio-economic factors, trends, personal tastes and characteristics, as well as physical and psychological needs; safety, sanitation, and efficiency factors in interior design; and evaluating use and care of textiles. This project based course investigates a variety of related career opportunities, including entrepreneurship. Emphasis is placed on the application of project management skills. (Available SY 2011-2021.)

**22201A001 Introduction to Family and Consumer Sciences Careers****CTE Course**

This course introduces students to the field of family and consumer sciences and the many career opportunities available in this broad field. The course includes theory and laboratory experiences in the following content areas: Nutrition and culinary arts; textiles and design; family, career, and community leadership development; resource management; human development and life-long learning; facility design, care, and management; and interpersonal relationships and life management skills. (Available SY 2011-2021.)

**19251A001 Introduction to Family and Consumer Sciences Careers****CTE Course**

This course introduces students to the field of family and consumer sciences and the many career opportunities available in this broad field. The course includes theory and laboratory experiences in the following content areas: Nutrition and culinary arts; textiles and design; family, career, and community leadership development; resource management; human development and life-long learning; facility design, care, and management; and interpersonal relationships and life management skills. (Available SY 2021-.)

**22206A000 Life Skills**

Life Skills courses provide students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. These courses often emphasize process skills, including goal-setting, decisionmaking, and other topics such as the setting of priorities, money and time management, interpersonal relationships, and the development of the self. Additionally, specific topics such as wellness, selecting and furnishing houses, meeting transportation needs, nutrition, preparing food, selecting clothing and building a wardrobe, insurance, taxation, and consumer protection may also be covered. (Available SY 2011-2023.)

**19257A000 Life Skills**

Life Skills courses provide students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. These courses often emphasize process skills, including goal-setting, decisionmaking, and other topics such as the setting of priorities, money and time management, interpersonal relationships, and the development of the self. Additionally, specific topics such as wellness, selecting and furnishing houses, meeting transportation needs, nutrition, preparing food, selecting clothing and building a wardrobe, insurance, taxation, and consumer protection may also be covered. (Available SY 2024-.)

**72206A000 Life Skills (prior-to-secondary)**

Life Skills courses provide information about a wide range of subjects to assist students in becoming wise consumers and productive adults. These courses often emphasize such topics as goal setting, decision making, and setting priorities; money and time management; relationships;

and the development of the self. Practical exercises regarding selecting and furnishing houses, meeting transportation needs, preparing food, selecting clothing, and building a wardrobe are often integral to these classes. In addition, specific topics such as insurance, taxation, and consumer protection may also be covered. (Available SY 2012-2023.)

### **19148A003 Nail Technician Workplace Experience**

### **CTE Course**

Nail Technician Workplace Experience courses provide students with work experience in the nail technology field. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **19105A001 Nail Technology I**

### **CTE Course**

The Nail Technology program must be approved and licensed by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation and meet all state and federal regulations. Nail Technology offers students curriculum in both general theory and practical application in the following area of basic training: history of nail care, personal hygiene and public health; professional ethics; sterilization and disinfection; bacteriology; disorders of the nails; OSHA standards as relative to MSDS on chemicals, chemicals and their use; and technical applications of chemicals as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act. Knowledge, skills, and activities completed in this course will help prepare to become a licensed nail technician, while earning hours towards the 350 hours of instruction in nail technology. (Available SY 2011-.)

### **19105A002 Nail Technology II**

### **CTE Course**

The Nail Technology program must be approved and licensed by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation and meet all state and federal regulations. Nail Technology II builds on the skills and knowledge students developed in Nail Technology I. Courses may be a combination of classroom instruction and hands on experience in the following areas: manicures, pedicures, machines and products used in nail technology, and shop management, sanitation and interpersonal relations as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act, as well as labor and compensation laws. Knowledge, skills, and activities completed in this course will help prepare to become a licensed nail technician, while earning hours towards the 350 hours of instruction in nail technology. (Available SY 2021-.)

## **19253A000 Nutrition and Wellness**

Nutrition and Wellness courses focus on how physical, mental, social, psychological, and emotional wellness are related to food, food selection, and health. Topics typically include dietary needs across one's lifespan, stress management, special dietary issues, and eating disorders as well as societal and genetic health issues that are addressed through the prevention education component of the class. Other topics covered range from healthy food selection, label reading, and diet analysis to understanding additives, making wise food choices, and dealing with food allergies. (Available SY 2021-.)

## **19253A001 Nutrition and Wellness**

### **CTE Course**

Nutrition and Wellness courses focus on how physical, mental, social, psychological, and emotional wellness are related to food, food selection, and health. Topics typically include dietary needs across one's lifespan, stress management, special dietary issues, and eating disorders as well as societal and genetic health issues that are addressed through the prevention education component of the class. Other topics covered range from healthy food selection, label reading, and diet analysis to understanding additives, making wise food choices, and dealing with food allergies. (Available SY 2021-.)

## **19998A002 Nutrition and Wellness Workplace Experience**

### **CTE Course**

Nutrition and Workplace Experience courses provide students with work experience in a field related to the provision of human services. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

## **22204A001 Parenting**

### **CTE Course**

This course helps students understand the responsibilities, satisfactions and stresses of parenthood. Course content includes the following: managing and organizing parenting by applying decision-making and goal-setting skills; applying the basic principles of the parenting process; practicing health and safety standards as related to parenting; providing experiences which encourage parents and children to maximize resources; encouraging human relations skills in children/adolescents; community resource agencies and services; and evaluating impact on parenting of family and career changes. (Available SY 2011-2021.)

### **19207A000 Particular Topics in Apparel and Furnishings**

These courses examine specific topics in apparel and furnishings other than those already described elsewhere in this classification system, such as tailoring or shoe repair, rather than providing a general study. (Available SY 2011-.)

### **19055A000 Particular Topics in Child and Elder Care**

These courses examine specific topics related to child and elder care, such as regulations of the industry or caring for people with special needs, rather than providing a general study of child and elder care. (Available SY 2011-.)

### **19107A000 Particular Topics in Cosmetology**

These courses examine specific topics related to cosmetology not otherwise described elsewhere in this classification system, such as electrolysis, rather than providing a general study. (Available SY 2011-.)

### **19154A000 Particular Topics in Education**

These courses examine specific topics in education other than those already described elsewhere in this classification system, such as management of school-age children, rather than providing a general study of the teaching profession. (Available SY 2011-.)

### **19258A000 Personal and Career Readiness**

Formerly known as Self-Management, Personal and Career Readiness courses introduce students to the skills and strategies that are helpful in becoming more focused, productive individuals, wage earners, and family members. These courses typically emphasize goal-setting; decisionmaking; managing time, energy, and stress; and identifying alternatives and coping strategies. They may also allow students to explore various career and lifestyle choices. (Available SY 2024-.)

### **22207A000 Personal and Career Readiness**

Formerly known as Self-Management, Personal and Career Readiness courses introduce students to the skills and strategies that are helpful in becoming more focused, productive individuals, wage earners, and family members. These courses typically emphasize goal-setting; decisionmaking; managing time, energy, and stress; and identifying alternatives and coping

strategies. They may also allow students to explore various career and lifestyle choices. (Available SY 2011-2023.)

### **72207A000 Personal and Career Readiness (prior-to-secondary)**

Formerly known as Self-Management, Personal and Career Readiness courses introduce students to the skills and strategies that are helpful in becoming more focused, productive individuals, wage earners, and family members. These courses typically emphasize goal-setting; decisionmaking; managing time, energy, and stress; and identifying alternatives and coping strategies. They may also allow students to explore various career and lifestyle choices. (Available SY 2012-2023.)

### **19260A000 Personal Development**

Personal Development courses emphasize strengthening self-esteem, recognizing and resisting negative peer pressure, and developing coping skills for dealing with life and career issues and changes (such as family changes). These courses include communication, conflict resolution, practical problem-solving, and decisionmaking. They may also include building resiliency skills and asset building. (Available SY 2024-.)

### **22209A000 Personal Development**

Personal Development courses emphasize strengthening self-esteem, recognizing and resisting negative peer pressure, and developing coping skills for dealing with life and career issues and changes (such as family changes). These courses include communication, conflict resolution, practical problem-solving, and decisionmaking. They may also include building resiliency skills and asset building. (Available SY 2011-2023.)

### **72209A000 Personal Development (prior-to-secondary)**

Similar to Family Living courses, but more focused on the individual, Personal Development courses emphasize strengthening self-esteem, recognizing and resisting negative peer pressure, and developing coping skills for dealing with changes within one's self and within others. These courses may also have a substance- abuse prevention component. (Available SY 2012-2023.)

### **19998A001 Social Work Workplace Experience**

**CTE Course**

Social Work Workplace Experience courses provide students with work experience in the social work field. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are

responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **19151A000 Teaching Profession**

Teaching Profession courses introduce students to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information. These courses typically expose students to and train them in classroom management, student behavior, leadership and human relations skills, assessment of student progress, teaching strategies, and various career opportunities in the field of education. (Available SY 2011-.)

### **19153A000 Teaching—Early Childhood Education**

Formerly known as Early Childhood Education, Teaching—Early Childhood Education courses address child development and education issues, so that students can guide the development of children in educational settings. These courses typically include the planning and implementing of developmentally appropriate learning activities, health and safety practices, safe learning environments, and legal requirements for teaching young children. (Available SY 2011-.)

### **19204A002 Textile and Design Occupations**

**CTE Course**

The Textile and Design Occupations course focuses on the study and application of functional and aesthetic design, human factors research, production planning, manufacturing processes, quality assessment, and distribution systems of textile products. Additional topics include: consumer and industry textile trends; industry specific terminology; advanced design applications; project development, management, and supervision; safety codes and procedures; portfolio development and presentation; client relationships; and individualized mastery of textile/design skills. (Available SY 2011-.)

### **19201A001 Textiles and Design I**

**CTE Course**

This course is designed to provide basic knowledge and understanding of the design, development, and production of textile products. Through hands-on and project based learning experiences students will discover fiber characteristics, fabric construction methods, elements of science and design in textiles and apparel, and basic construction skills used in interior



furnishings and apparel industries. This course emphasizes awareness and investigation of careers and industry trends in textiles. (Available SY 2011-.)

### **19203A001 Textiles and Design II**

**CTE Course**

This project-based course focuses on the implementation and recognition of design principles in selecting, constructing, altering, and remodeling textile products. Project management skills, including efficient use of time, materials, technique, and tools are incorporated throughout the course. Topics include: engineered fabric constructions; fiber and textile trends; color theory; principles of design; fabric finishes; industry construction techniques; use of industry tools, equipment, and terminology; knowledge of resources and vendors; research and evaluation of textile products for special needs populations; impacts of technology; construction, alteration and re-design skills; and simple flat pattern design and recognition. (Available SY 2011-.)

### **19259A001 Work and Family Relationships**

**CTE Course**

Work and Family Relationship is a project-based course that emphasize building and maintaining health interpersonal relationship among families, communities, society, and workplace. These courses often emphasize (but are not limited to) topics such as balancing the responsibilities of a family and career, human sexuality and reproduction, parenthood and the function of the family unit, the family life cycle, life stages, and social interactions and interpersonal relationships. The course uses communication, leadership and management methods to develop knowledge and behaviors necessary for individuals to become independent, contributing, and responsible participants in family, community, and career settings. analyzing personal standards, needs, aptitudes and goals; roles and responsibilities of living independently and as a family member; demonstrating goal-setting and decision-making skills; identifying and utilizing community resources; and developing effective relationships to promote communication with others. The course provides students content to identify resources that will assist them in managing life situations. (Available SY 2021-.)

### **19298A001 Work and Family Studies Workplace Experience**

**CTE Course**

Work and Family Studies Workplace Experience courses provide students with work experience in a field related to family and consumer sciences. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

## **20 Transportation, Distribution and Logistics**

### **20110A003 Advanced Small Engine**

**CTE Course**

This course will be designed to provide the student with the opportunity to complete specialized study in the service and repair of small engines and related systems. Planned activities will allow students to become knowledgeable of advanced principles and technical skills related to preventative maintenance, troubleshooting, repairing, identifying parts and making precision measurements with two and four cycle engines and related systems. Other areas that will be covered deal with fuel supply systems, lubrication systems, cooling systems, electrical systems, ignition systems, drive train and chassis systems. Safety will be a key component of this class. Students will also be exposed to career opportunities related to small engines. (Available SY 2022-.)

### **20114A000 Aircraft Airframe**

Aircraft Airframe courses offer students information and instruction related to the structure and mechanics of aircraft, typically including hydraulic, pneumatic, instrumental, fuel, electrical, cabin atmosphere, and landing gear systems. Aircraft Airframe courses may also cover aircraft metals and coverings and related welding skills. (Available SY 2011-.)

### **20113A000 Aircraft Power Plant**

Aircraft Power Plant courses provide students with the information necessary to troubleshoot, test, repair, and install aircraft engines. Course content usually includes engine ignition, electrical, lubrication, cooling, exhaust, and fuel systems, along with aircraft instrumentation and safety features. (Available SY 2011-.)

### **20113A001 Aircraft Technician I**

**CTE Course**

This course provides experiences related to the maintenance, repair, and servicing of a variety of aircraft powerplants. Planned learning activities allow students to become knowledgeable in fundamental principles of aircraft powerplant construction. In addition, students develop technical skills related to avionics, aviation, and airplane power plants. Instruction includes the types, structures, and mechanics of airplanes, electronics, gauge purpose and care, engine mechanics, major component identification, construction techniques, hydraulics, evolution of aerodynamics, and comparison of similar elements in different types of air craft. (Available SY 2011-.)

**20113A002 Aircraft Technician II****CTE Course**

This course provides experiences related to the maintenance, repair, and servicing of a variety of aircraft powerplants and their associated mechanical systems. Planned learning activities emphasize the development of more advanced knowledge and skill than those provided in Aircraft Technician I. Student technical skill experiences include instruction and activities in aviation construction, shop and maintenance related areas of aircraft, safety principles and practices, as well as continued development of skills associated with aircraft powerplants. (Available SY 2011-.)

**20098A001 Aircraft Technician Workplace Experience****CTE Course**

Aircraft Technician Workplace Experience courses provide students with work experience in fields related to the maintenance of vehicles and engines. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

**20116A001 Auto-Body I****CTE Course**

This course provides learning experiences designed to allow students to gain knowledge and skills in repairing automotive bodies and fenders. Planned learning activities in this course are balanced to allow students to become knowledgeable in the fundamental aspects of auto body repair methods and techniques, and to develop practical skills in the basic operations required to prepare the automobile for final paint application. Instruction emphasizes safety principles and practices, hazardous materials, auto body nomenclature, function of individual components, the use of parts manuals, the identification of replacement parts, the use of auto body fillers, the use of plastic/glass fillers and special body repair tools, refinishing problems, and paint preparation procedures. Practical activities relate to experiences in writing and calculating damage estimates, removing and installing body panels, trim, and glass; straightening by using hammers, bucks, and jacks; and smoothing by filing, grinding, and using fillers. Students also learn to prime the area to be painted and prepare the surface for final paint application. These experiences and skills are related to metal, fiberglass, or urethane components. (Available SY 2011-.)

**20116A002 Auto-Body II****CTE Course**

This course provides learning experiences designed to further enhance the students' skills in performing more advanced tasks related to automotive body and fender repair. Learning activities in this course emphasize the successful application of the final paint coat and the preparation that precedes it. Emphasis is also placed upon the identification and correction of imperfections and

finish buffing of the final coat. Student learning activities include instruction in safety principles and practices, hazardous materials, types and qualities of paints, colors, and refinishing problems; glass standards and installation, special alignment techniques, customer relations, damage estimating, and insurance adjustments. Student practical activities relate to experiences in estimating collision damage costs, preparing customer bills, removing and replacing glass surfaces, selecting paints, repainting minor and major damages, repainting total car body, drying or baking painted surfaces, post-paint cleanup, and post-paint polishing. (Available SY 2011-.)

### **20148A001 Auto-body Technician Workplace Experience**

### **CTE Course**

Auto-body Technician Workplace Experience courses provide students with work experience in fields related to the maintenance of vehicles and engines. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **20116A000 Automotive Body Repair and Refinishing—Comprehensive**

Automotive Body Repair and Refinishing courses provide students with knowledge and skills regarding the repair and refinishing of damaged or used cars. Course content may include (but is not limited to) stretching and shrinking auto body sheet metal; welding skills; frame and metal straightening; repair of fiberglass and synthetic materials; removing, repairing, and installing auto body parts such as panels, hoods, doors, and windows/glass; preparing vehicles and vehicle surfaces for refinishing; painting; applying body fillers; and estimating material and labor costs. (Available SY 2011-.)

### **20115A000 Automotive Detailing and Reconditioning**

Automotive Detailing and Reconditioning courses provide students with knowledge and skills related to repairing, refinishing, and detailing automobiles. Course topics typically include painting and refinishing, plastics and adhesives, damage analysis, and repair, in addition to occupational safety, employability, and entrepreneurship skills. (Available SY 2011-.)

### **20104A000 Automotive Mechanics—Comprehensive**

Automotive Mechanics—Comprehensive courses emphasize the diagnosis and repair of automobile engines and support systems such as brakes, cooling, drive trains,

electrical/electronics components, emission, fuel, ignition, steering, suspension, and transmissions. Course topics often include the comprehension and use of repair manuals, safety, and employability skills (including shop management and entrepreneurship). (Available SY 2011-.)

### **20106A000 Automotive Service**

Automotive Service courses emphasize preventative auto maintenance and automobile troubleshooting. Course content typically includes tune-up, oil change, and lubrication skills; tire replacement, alignment, and balancing; and basic knowledge of brake, cooling, electrical, emission, fuel, ignition, steering, suspension, and transmission systems. These courses may also include public relations, sales techniques, and service station management. (Available SY 2011-.)

### **20104A001 Automotive Technician I**

**CTE Course**

This course introduces students to the basic skills needed to inspect, maintain, and repair automobiles and light trucks that run on gasoline, electricity, or alternative fuels. Instructional units include engine performance, automotive electrical system, integrated computer systems, lubrication, exhaust and emission control, steering and suspension, fuel systems, cooling system, braking, and power train. (Available SY 2011-.)

### **20104A002 Automotive Technician II**

**CTE Course**

This course is a continuation of and builds on the skills and concepts introduced in Automotive Technician I. This course includes instructional units in alternative fuel systems, computerized diagnostics, new vehicle servicing, automotive heating and air conditioning, transmissions, testing and diagnostics, drive train and overall automobile performance. (Available SY 2011-.)

### **20148A002 Automotive Technician Workplace Experience**

**CTE Course**

Automotive Technician Workplace Experience courses provide students with work experience in fields related to the operation of vehicles. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

## **20053A000 Aviation**

Aviation courses provide students with an understanding of the science of flight and typically include the history, regulations, and possible career paths within the aviation industry. Aviation courses usually cover physics, the relationships of weight and balance, principles of navigation and flight control, ground and airport operations and services, and Federal Aviation Agency regulations. (Available SY 2011-.)

### **20053A001 Aviation/Pilot I**

**CTE Course**

This course introduces students to the airplane piloting and the navigation field. Instructional units include principles of flight, the flight environment, aircraft systems and performance, meteorology for pilots, interpreting weather data, and basic navigation. (Available SY 2011-.)

### **20053A002 Aviation/Pilot II**

**CTE Course**

This course is a continuation of and builds on the skills and concepts introduced in Aviation/Pilot I. This course includes instructional units in radio navigation systems, aviation physiology, flight planning and decision making, aviation history, the nature of space, rockets, and space flight, and careers in aviation and aerospace. (Available SY 2011-.)

## **20119A002 Battery Technologies**

**CTE Course**

Battery Technologies applies the technologies used in modern battery storage systems for electric vehicles. Topics could include battery chemistries, charging and discharging for EV application, thermal management, safe handling of cells and battery packs, manufacturing practices of battery packs and installation of battery packs in a variety of applications. (Available SY 2023-.)

## **20106A001 Beginning Automotive Services**

**CTE Course**

Beginning Automotive Service course emphasizes preventative auto maintenance and automobile troubleshooting. Course content typically includes tune-up, oil change, and lubrication skills; tire replacement, alignment, and balancing; and basic knowledge of brake, cooling, electrical, emission, fuel, ignition, steering, suspension, and transmission systems. (Available SY 2012-.)

## **20054A000 Boat Operation**

Boat Operation courses typically cover operation and maintenance of marine vehicles, marine navigation, and emergency procedures, as well as other skills necessary or useful for work or life

at sea (e.g., loading and unloading or cooking). Specific topics may include docking and undocking a vessel, engine maintenance, commercial fishing, firefighting aboard ship, and CPR. (Available SY 2011-.)

### **20118A000 Boat Repair/Refinishing**

Boat Repair/Refinishing courses convey a broad range of information and skills about how to repair and refinish boat mechanics, structures, and surfaces. In these courses, students become proficient in marine terminology, learn how to describe types of marine manufacturing and occupations, and prepare new and existing wood, fiberglass, and metal surfaces for painting or refinishing. These courses often cover safety, employability skills, and entrepreneurship. (Available SY 2011-.)

### **20107A001 Diesel Mechanics I**

**CTE Course**

Diesel Mechanics I courses prepare students to maintain and repair diesel engines and related systems. Specific course topics may include principles underlying diesel engines, analyzing electrical circuits and systems, troubleshooting and repairing cooling systems, testing and repairing air conditioning charging systems, reading and interpreting service manuals, and identifying the principles and components of fuel injection systems. Courses may also cover safety, employability skills, and entrepreneurship. (Available SY 2013-.)

### **20107A002 Diesel Mechanics II**

**CTE Course**

Diesel Mechanic II includes advanced knowledge of the function, diagnosis, and service of diesel equipment systems. Rapid advances in diesel technology have created new career opportunities and demands in the transportation industry. This course provides the advanced knowledge, skills, and technologies required for employment in transportation systems. Courses may also cover safety, employability skills, and entrepreneurship. (Available SY 2021-.)

### **20107A000 Diesel Mechanics—Comprehensive**

Diesel Mechanics—Comprehensive courses prepare students to maintain and repair diesel engines and related systems. Specific course topics may include principles underlying diesel engines, analyzing electrical circuits and systems, troubleshooting and repairing cooling systems, testing and repairing air conditioning charging systems, reading and interpreting service manuals, and identifying the principles and components of fuel injection systems. Courses may also cover safety, employability skills, and entrepreneurship. (Available SY 2011-.)

**20151A001 Distribution and Logistics****CTE Course**

Distribution and Logistics courses provide training for entry-level employment in distribution and logistics. This course focuses on the business planning and management aspects of distribution and logistics. To prepare for success, students will learn, reinforce, experience, apply, and transfer their knowledge and skills related to distribution and logistics. Topics could include the comparative advantages of various forms of transportation, distribution networks, processes for tracking large shipments of material, transportation of goods in a safe and secure manner, and packaging. (Available SY 2021-.)

**20197A000 Distribution and Logistics—Independent Study**

Distribution and Logistics—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to distribution and logistics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

**20199A000 Distribution and Logistics—Other**

Other Distribution and Logistics courses. (Available SY 2011-.)

**20198A000 Distribution and Logistics—Workplace Experience**

Distribution and Logistics—Workplace Experience courses provide students with work experience in fields related to distribution and logistics. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

**20151A000 Distribution—Comprehensive**

Distribution—Comprehensive courses provide students with knowledge and skills related to the safe and efficient delivery of commodities to various markets. Course content typically includes the comparative advantages of various forms of transportation, distribution networks, processes for tracking large shipments of material, transportation of goods in a safe and secure manner, and packaging. (Available SY 2011-.)



**20099A001 Drone Operation and Maintenance****CTE Course**

Drone Operation and Maintenance courses introduce students to the fundamentals of flying drones. Topics covered typically include FAA rules and regulations; types and capabilities of unmanned aircraft; drone piloting; aerial photography and videography; maintenance and preflight procedures; and aeronautical decision-making. Topics should also include an exploration of the applications of drone operation and maintenance into the program(s) offered. Course should prepare students for attainment of the Remote Pilot Certificate from the FAA and instructor should hold this certificate. (Available SY 2020-.)

**20101A002 Energy & Power****CTE Course**

Energy & Power courses focus on one or several aspects of energy and power in transportation and work. Course content may include various sources of energy and their use in society (for example, characteristics, availability, conversion, storage, environmental impact, and socioeconomic aspects of various energy sources); principles involved in various means of energy transfer, such as electricity/electronics, hydraulics, pneumatics, heat transfer, and wind/nuclear/solar energies; and the transmission and control of power through mechanical or electrical devices such as motors and engines. (Available SY 2021-.)

**20102A001 Energy and Power of Transportation Systems****CTE Course**

Energy and Power of Transportation Systems will prepare students to meet the expectations of employers in this industry and to interact and relate to others. Students will learn the technologies used to provide products and services in a timely manner. The businesses and industries of the Transportation, Distribution, and Logistics Career Cluster are rapidly expanding to provide new career and career advancement opportunities. Performance requirements will include academic and technical skills. Students will need to understand the interaction between various vehicle systems, which could include engines, transmissions, brakes, fuel, cooling, and electrical. Students will also learn about the logistics used to move goods and services to consumers, as well as the components of transportation infrastructure. (Available SY 2021-.)

**20101A001 Energy Utilization Technology****CTE Course**

Energy Utilization Technology is a course designed to foster an awareness and understanding of how we use energy in our industrial technological society. Areas of study include conversion of energy, electrical fundamentals, solar energy resources, alternate energy resources such as wind, water, and geothermal; fossil fuels, nuclear power, energy conservation, and computer uses in energy technology. Students use laboratory experiences to become familiar with current energy technologies. (Available SY 2011-.)

## **20101A000 Energy/Power**

Energy/Power courses focus on one or several aspects of energy and power in transportation and work. Course content may include various sources of energy and their use in society (for example, characteristics, availability, conversion, storage, environmental impact, and socioeconomic aspects of various energy sources); principles involved in various means of energy transfer, such as electricity/electronics, hydraulics, pneumatics, heat transfer, and wind/nuclear/solar energies; and the transmission and control of power through mechanical or electrical devices such as motors and engines. (Available SY 2011-.)

## **20001A000 Exploration of Transportation, Distribution and Logistics**

Exploration of Transportation, Distribution, and Logistics courses introduce students to careers that involve the planning, management, and movement of people, materials, and products using any of several modes of transport. Such careers may also involve infrastructure, vehicular maintenance and repair, and operating or managing facilities that hold what is being transported. Therefore, specific course topics vary widely and depend upon the careers being explored. (Available SY 2011-.)

## **20001A002 Exploration of Transportation, Distribution and Logistics**

**CTE Course**

Exploration of Transportation, Distribution, and Logistics courses introduce students to careers that involve the planning, management, and movement of people, materials, and products using any of several modes of transport. Such careers may also involve infrastructure, vehicular maintenance and repair, and operating or managing facilities that hold what is being transported. Therefore, specific course topics vary widely and depend upon the careers being explored. (Available SY 2019-.)

## **70001A000 Exploration of Transportation, Distribution, and Logistics**

Exploration of Transportation, Distribution, and Logistics courses introduce students to careers that involve the planning, management, and movement of people, materials, and products using any of several modes of transport. Such careers may also involve infrastructure, vehicular maintenance and repair, and operating or managing facilities that hold what is being transported. Therefore, specific course topics vary widely and depend upon the careers being explored. (Available SY 2012-.)

## **20098A004 Forklift Operation Workplace Experience**

**CTE Course**

Forklift Operation Workplace Experience courses provide students with work experience in fields related to the maintenance of vehicles and engines. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field,

discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **20112A000 Heavy Equipment Mechanics**

Heavy Equipment Mechanics courses include the service and repair of electrical, mechanical, power transfer, hydraulic, fuel, and cooling systems of heavy equipment such as that used in mining, construction, and utility industries. (Available SY 2011-.)

### **20052A000 Heavy Equipment Operation**

Heavy Equipment Operation courses enable students to safely operate the heavy equipment used for mining, construction, and utility industries. Typically, courses also include light maintenance principles and techniques. (Available SY 2011-.)

### **20112A001 Heavy Equipment Technician I**

**CTE Course**

This course introduces students to the basic skills needed to repair and maintain heavy equipment found in the manufacturing industry. Topics covered in this course include safety, blueprint reading basic hand and power tools, introductory hydraulics and pneumatics, orientation to computer diagnostics, basic electricity and electronics, and an introduction to welding technology. (Available SY 2011-.)

### **20112A002 Heavy Equipment Technician II**

**CTE Course**

This course is a continuation of Heavy Equipment Technician I and builds on the skills and concepts introduced there. New skills introduced in this course include metal separating, drill press, metal lathe, surface grinder, and milling machine operation. Also included are units of instruction on advanced electronics and electricity along with additional skill building activities in welding, braising, hydraulics, pneumatics, computer diagnostics, and precision measurement. (Available SY 2011-.)

### **20998A001 Heavy Equipment Technician Workplace Experience**

**CTE Course**

Heavy Equipment Technician Workplace Experience courses provide students with work experience in a field related to architecture or construction. Goals are typically set cooperatively

by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2021-2021.)

### **20119A000 Hybrid Engines**

Hybrid Engines courses introduce students to the fundamentals of hybrid electric vehicles. These courses explore the hybrid power plant and may include such topics as hybrid batteries, high- and low-voltage systems, inverters, safety procedures, hybrid maintenance and diagnostics, and alternative fuels. (Available SY 2021-.)

### **20119A001 Hybrid Engines**

**CTE Course**

Hybrid Engines courses introduce students to the fundamentals of hybrid electric vehicles. These courses explore the hybrid power plant and may include such topics as hybrid batteries, high- and low-voltage systems, inverters, safety procedures, hybrid maintenance and diagnostics, and alternative fuels. (Available SY 2021-.)

### **20101A003 Hydraulics and Pneumatics**

**CTE Course**

Hydraulics and Pneumatics courses introduce students to the components, circuits, and principles of hydraulic and pneumatic power. Students will develop skills and competencies to understand machine behavior and troubleshoot malfunctions. The course should incorporate machine fluid and pneumatic power and electrical behavior together to strengthen students' understanding of real-world applications within their program(s). (Available SY 2023-.)

### **20103A000 Introduction to Automobiles**

Primarily intended as a personal automobile mechanics course, but also useful for students exploring future careers in automotive technologies, Introduction to Automobiles courses expose students to the various mechanical systems in automobiles and provide basic experience in maintenance tasks. The course may also cover career opportunities in the automotive and/or transportation fields. (Available SY 2011-.)

### **20053A003 Introduction to Aviation**

**CTE Course**

Introduction to Aviation provide students with an introduction to the science of flight and typically include the history, possible career paths within the aviation industry, regulations, terminology, and foundational engineering principles of aviation. Possible course topics include physics of flight, the relationships of weight and balance, principles of navigation and flight control, ground

and airport operations and services, and Federal Aviation Agency regulations. (Available SY 2023-.)

### **20052A001 Light and Heavy Equipment Operation**

**CTE Course**

Light and Heavy Equipment Operation courses enable students to safely operate the equipment used for distribution, manufacturing, mining, construction, and utility industries. Typically, courses also include light maintenance principles and techniques. (Available SY 2021-.)

### **20111A000 Marine Mechanics**

The content of Marine Mechanics courses includes the service and repair of electrical, mechanical, power transfer, hydraulic, fuel, and cooling systems as applied to boat and/or ship engines; boat rigging; trailers; and marine-related merchandise. Courses may also cover communication, human relations, and employability skills, as well as safe, efficient work practices. (Available SY 2011-.)

### **20147A000 Mechanics and Repair—Independent Study**

Mechanics and Repair—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to the maintenance of vehicles and engines. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **20149A000 Mechanics and Repair—Other**

Other Mechanics and Repair courses. (Available SY 2011-.)

### **20148A000 Mechanics and Repair—Workplace Experience**

Mechanics and Repair—Workplace Experience courses provide students with work experience in fields related to the maintenance of vehicles and engines. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **20120A000 Motorsports Technology**

Motorsports Technology courses provide students with an understanding of the principles of race car fabrication and all facets of the racing industry. Technical aspects of the courses may include skill development in vehicle assembly of high-performance engines and components using specialty tools, welding, and auto body procedures. Course content may also explore the motorsports technology industry, address safety issues, and identify careers in the field.

(Available SY 2021-.)

### **20097A000 Operation—Independent Study**

Operation—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to the operation of vehicles. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **20099A000 Operation—Other**

Other Operation courses. (Available SY 2011-.)

### **20098A000 Operation—Workplace Experience**

Operation—Workplace Experience courses provide students with work experience in fields related to the operation of vehicles. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **20117A000 Particular Topics in Automotive Body Repair and Refinishing**

These courses provide specific instruction in individual topics relevant to the repair and refinishing of automobile bodies and surfaces. One topic or several closely related topics (such as nonstructural part replacement, auto body welding, or plastic repair) receive particular attention in this type of course. (Available SY 2011-.)

### **20105A000 Particular Topics in Automotive Mechanics**

These courses provide instruction in the mechanics of a particular system or condition, such as transmissions, brakes, fuel, exhaust, or electrical systems, rather than providing a general study of diagnosis and repair of automobile mechanics. (Available SY 2011-.)

### **20108A000 Particular Topics in Diesel Mechanics**

These courses cover specific topics relevant to occupations involving the maintenance and repair of vehicles with diesel engines, such as buses and trucks. One topic (or several closely related topics) concerning diesel mechanics is covered in specific detail in this type of course. (Available SY 2011-.)

### **20198A001 Parts and Warehousing Workplace Experience**

**CTE Course**

Parts and Warehousing Workplace Experience courses provide students with work experience in fields related to distribution and logistics. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **20098A002 Pilot and Flight Crew Workplace Experience**

**CTE Course**

Pilot and Flight Crew Workplace Experience courses provide students with work experience in fields related to the maintenance of vehicles and engines. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

## **20055A000 Pilot Training**

Pilot Training courses prepare students to become pilots by participating in flight training, ground school, and simulator instruction. Topics covered typically include preflight operations; flight maneuvering with reference to ground objects; flying at critically slow air speeds and recovering from stalls; takeoffs and landings; controlling and maneuvering an aircraft; cross country flying; night flying; and emergency operation. Other course content may include meteorology, aerodynamics, navigation, physiology, and airfield and flight environments. (Available SY 2021-.)

## **20055A001 Pilot Training**

### **CTE Course**

Pilot Training courses prepare students to become pilots by participating in flight training, ground school, and simulator instruction. Topics covered typically include preflight operations; flight maneuvering with reference to ground objects; flying at critically slow air speeds and recovering from stalls; takeoffs and landings; controlling and maneuvering an aircraft; cross country flying; night flying; and emergency operation. Other course content may include meteorology, aerodynamics, navigation, physiology, and airfield and flight environments. (Available SY 2021-.)

## **20102A000 Power and Mechanics**

Power and Mechanics courses enable students to understand the principles underlying various kinds of mechanics (aircraft, auto, diesel, and marine) and how energy is converted, transmitted, and controlled. Topics typically include maintaining and servicing machines, engines, and devices while emphasizing energy sources, electricity, and power transmission. The courses may also provide information on career opportunities within the field of mechanics and/or transportation. (Available SY 2011-.)

## **20110A000 Small Engine Mechanics**

Small Engine Mechanics courses provide students with the opportunity to learn how to service and recondition small engines, typically emphasizing two- and four-cycle engines. These courses provide students with opportunities to troubleshoot and repair speed controls, lubrication, ignition, fuel, power transfer, cooling, exhaust, and starting systems; use hand, power, and overhaul tools; and read and interpret service manuals and parts' catalogs. Applications may include lawn mowers, tractors, tillers, power tools, and so on. (Available SY 2011-.)

## **20110A001 Small Engine Repair**

### **CTE Course**

Small engine repair is an instructional program that prepares individuals to troubleshoot, service, and repair a variety of small internal-combustion engines, involving both two and four cycle engines used on portable power equipment. Planned activities will allow students to become knowledgeable of fundamental principles and technical skills related to troubleshooting, repairing, identifying parts and making precision measurements. Safety will be a key component of this



class. Students will also be exposed to career opportunities related to small engines. (Available SY 2011-.)

### **20110A002 Small Engine Repair II**

### **CTE Course**

This course will be designed to provide the student with the opportunity to complete specialized study in the service and repair of small engines and related systems. Some of these areas may include chain saw repair, snow blower repair, snowmobile repair, generator repair, motorcycle repair, etc. Planned activities will allow students to become knowledgeable of fundamental principles and technical skills related to troubleshooting, repairing, identifying parts and making precision measurements. Other areas that will be covered deal with electrical, systems, ignition systems, drive train and chassis systems. Safety will be a key component of this class. Students will also be exposed to career opportunities related to small engines. (Available SY 2011-2020.)

### **20109A000 Small Vehicle Mechanics**

Small Vehicle Mechanics courses equip students with the knowledge and skill to repair and maintain engines in small vehicles (e.g., motorcycles, all-terrain vehicles, snowmobiles, and mopeds). Topics include (but are not limited to) maintaining frames and suspension, wheels and brakes, and drive trains; servicing fuel, exhaust, and electrical systems; performing tune-ups; and maintaining and repairing engines. Students may also learn safety on the job, employability skills, and entrepreneurship. (Available SY 2011-.)

### **20109A001 Small Vehicle Mechanics**

### **CTE Course**

Small Vehicle Mechanics courses equip students with the knowledge and skill to repair and maintain engines in small vehicles (e.g., motorcycles, all-terrain vehicles, snowmobiles, and mopeds). Topics include (but are not limited to) maintaining frames and suspension, wheels and brakes, and drive trains; servicing fuel, exhaust, and electrical systems; performing tune-ups; and maintaining and repairing engines. Students may also learn safety on the job, employability skills, and entrepreneurship. (Available SY 2021-.)

### **20001A001 Transportation Technology**

### **CTE Course**

Transportation Technology is a course designed to foster an awareness and understanding of the various transportation customs that make up our mobile society. Through laboratory activities, students are exposed to the technologies of and career opportunities involved in material handling, atmospheric and space transportation, marine transportation, terrestrial transportation, and computer uses in transportation technology. (Available SY 2011-.)

## **20998A002 Transportation, Distribution & Logistics Workplace Experience      CTE Course**

Transportation, Distribution & Logistics Workplace Experience courses provide work experience in fields related to the Transportation, Distribution & Logistics cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

## **20995A000 Transportation, Distribution and Logistics—Aide**

Transportation, Distribution, and Logistics—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

## **20997A000 Transportation, Distribution and Logistics—Independent Study**

Transportation, Distribution, and Logistics—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to transportation, distribution, and logistics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

## **20999A000 Transportation, Distribution and Logistics—Other**

Other Transportation, Distribution and Logistics courses. (Available SY 2011-.)

## **20998A000 Transportation, Distribution and Logistics—Workplace Experience**

Transportation, Distribution, and Logistics—Workplace Experience courses provide students with work experience in fields related to transportation, distribution, and logistics. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences encountered in the workplace. (Available SY 2011-.)

### **70997A000 Transportation, Distribution, and Logistics – Independent Study**

Transportation, Distribution, and Logistics-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to transportation, distribution, and logistics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **70999A000 Transportation, Distribution, and Logistics – Other**

(Available SY 2012-2023.)

### **20051A000 Truck and Bus Driving**

Truck and Bus Driving courses instruct students in the proper and safe handling and operation of trucks and buses. Strategies for driving in hazardous conditions, observing laws and regulations, loading cargo or passengers, documenting cargo loads, and expectations of driving careers are all typical course topics. (Available SY 2011-2023.)

### **20051A001 Truck and Bus Driving**

**CTE Course**

Truck and Bus Driving courses instruct students in the proper and safe handling and operation of trucks and buses. Strategies for driving in hazardous conditions, observing laws and regulations, loading cargo or passengers, documenting cargo loads, and expectations of driving careers are all typical course topics. (Available SY 2021-.)

### **20098A003 Truck/Bus Operation Workplace Experience**

**CTE Course**

Truck/Bus Operation Workplace Experience courses provide students with work experience in fields related to the maintenance of vehicles and engines. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **20152A000 Warehouse Operations**

Warehouse Operations courses convey the principles and processes underlying the receiving, loading and unloading, tracking, and storing of large quantities of materials. Course topics typically include a variety of logistical implications for moving materials by several different modes of transportation, safety and security, and appropriate storage techniques. (Available SY 2011-.)

### **20152A001 Warehouse Operations I**

**CTE Course**

This course provides planned learning activities designed to allow students to gain knowledge and skills applicable to the Parts, Warehousing, and Inventory Management Operations occupation. Students are instructed in areas of safety, inventory management, warehouse operations, and inventory control. (Available SY 2011-.)

### **20152A002 Warehouse Operations II**

**CTE Course**

This course provides planned learning activities designed to allow students to gain knowledge and skills in PC based inventory control, parts identification, and customer service. Learning activities in this course emphasize the development of more advanced knowledge and skills than those provided in Warehouse Operations I. Skills introduced in this course include data base operations, supply logistics, supplier relations, and shop operations. (Available SY 2011-.)

## **21 Engineering and Technology**

### **21054A002 Advanced Design Applications (EbD)**

**CTE Course**

This course consists of four units including Manufacturing, Energy and Power, Construction and Transportation. The Manufacturing unit examines the advances that maintain manufacturing efficiency, how human consumption affects manufacturing, how manufacturing affects the standard of living of various peoples, and how processing and changing raw materials can produce more desirable products. The Construction unit examines a number of factors influencing the design and construction of permanent and semi-permanent structures, the practices related to construction maintenance, alteration, and renovation and the functions of the primary systems installed in those structures. The Energy & Power unit explores the relationship between energy and power technologies and all other technologies, and how modern energy and power systems impact cultures, societies, and the environment. It also offers an examination of how energy and power systems can become more efficient and how they may be utilized in problem solving. The Transportation unit examines the complex networks of interconnected subsystems that comprise each transportation system, and the roles of these components in the overall functional process of the system. It also analyzes the improvements and the impacts of transportation technologies on the environment, society, and culture. (Available SY 2011-2016.)

### **21054A003 Advanced Technological Applications (EbD)**

**CTE Course**

In this course, students study four components of the Designed World including Information Technology, Agriculture and Bio-related Technologies, Medical, and Entertainment/Recreation. The Information Technologies unit examines how technology facilitates the gathering, manipulation, storage, and transmission of data, and how this data can be used to create useful products. It also provides students with opportunities for developing communications systems that can solve technological problems. The Agriculture and Biotechnologies unit explores how agricultural technologies provide increased crop yields and allow adaptation to changing and harsh environments, enabling the growth of plants and animals for various uses. It also offers an analysis of the various uses of biotechnology and the ethical considerations of those uses. The Medical Technologies Unit provides an analysis of how medical technologies are used to increase the quality and length of human life, and how increased use of technology carries potential consequences which require public debate. Students also examine tools and devices used to repair and replace organs, prevent disease, and rehabilitate the human body. The Entertainment and Recreation unit provides a study of technological entertainment and recreation systems with an examination of the differences between these technologies, how their use enhances human leisure-time performance, and the social, cultural, and environmental implications of their usage. (Available SY 2011-2016.)

### **21013A000 Aerospace Engineering**

Aerospace Engineering courses introduce students to the world of aeronautics, flight, and engineering. Topics covered in the course may include the history of flight, aerodynamics and aerodynamics testing, flight systems, astronautics, space life systems, aerospace materials, and systems engineering. (Available SY 2011-.)

### **21013A001 Aerospace Engineering**

**CTE Course**

Aerospace Engineering courses introduce students to the world of aeronautics, flight, and engineering. Topics covered in the course may include the history of flight, aerodynamics and aerodynamics testing, flight systems, astronautics, space life systems, aerospace materials, and systems engineering. (Available SY 2011-.)

### **21055A000 Aerospace Technology**

Aerospace Technology courses introduce students to the technology systems used in the aerospace industry and their interrelationships. Examples of such systems include satellite communications systems, composite materials in airframe manufacturing, space station constructions techniques, space shuttle propulsion systems, aerostatics, and aerodynamics. (Available SY 2011-.)

### **21103A001 Architectural Drafting I**

**CTE Course**

This course is designed to provide students interested in a career in Architecture with information and practical experience needed for the development of job-related competencies. Students are made aware of the career opportunities available in the Architectural Drafting and Architectural Drafting CAD - CADD field. Instruction is provided in the areas of planning and organizing activities, researching information, performing general office procedures, preparing of preliminary drawings, basic layout, detail drawings, reproduction techniques, producing working drawings, and computer aided drafting. Students are also provided with instruction in producing architectural drawings in the areas of presentation, floor plans, illustration of landscape features, sketching preliminary floor plans, drawing foundation plans and sections, exterior elevations, stair sections, chimney sections, roof sections, finish schedules, preparing plumbing, HVAC and electrical plans, and structural drawings. (Available SY 2011-.)

### **21103A002 Architectural Drafting II**

**CTE Course**

Instruction is provided in the areas of locating information using computer data files, determination of materials and availability, project conferences, checking plan dimensions, drawing schematic sketches, preparing scale sketches, producing drawings from written/verbal instructions, application of coordinate dimensioning standards, creating drawings using a plotter/printer, producing renderings and/or charts and graphs, and common plan features. Instruction is also

provided in the areas of drawing framing plans, wall sections, fireplace sections, door sections, door and window schedules, dimensioning structural steel drawings, constructing column detail drawings, preparation of structural foundation, slab and floor plans, drawing electrical, block, schematic, and electrical connection drawings. Skills relating to CAD include preparation of a basic CAD drawing, building and editing a data base, developing a 3-dimensional drawing and selecting appropriate line work, line weight, and color. (Available SY 2011-.)

### **71002A001 Automation and Robotics (PLTW GTT)**

### **CTE Course**

Students trace the history, development, and influence of automation and robotics. They learn about mechanical systems, energy transfer, machine automation and computer control systems. Students acquire knowledge and skills in problem solving, teamwork collaboration and innovation. (Available SY 2012-2021.)

### **21102A002 Beginning Drafting**

### **CTE Course**

Beginning Drafting is an introductory level drafting course. During this course students will learn the basic fundamentals of drafting and/or computer aided drafting (CAD). The instruction will include the care and use of drafting equipment, freehand sketching, orthographic projection, lettering techniques, dimensioning standards, pictorial drawings, drawing reproduction, and an introduction to CAD. (Available SY 2012-.)

### **21014A000 Biotechnical Engineering**

Biotechnical Engineering courses enable students to develop and expand their knowledge and skills in biology, physics, technology, and mathematics. Course content may vary widely, drawing upon diverse fields such as biomedical engineering, biomolecular genetics, bioprocess engineering, agricultural biology, or environmental engineering. Students may engage in problems related to biomechanics, cardiovascular engineering, genetic engineering, agricultural biotechnology, tissue engineering, biomedical devices, human interfaces, bioprocesses, forensics, and bioethics. (Available SY 2011-.)

### **21014A001 Biotechnical Engineering**

### **CTE Course**

Biotechnical Engineering courses enable students to develop and expand their knowledge and skills in biology, physics, technology, and mathematics. Course content may vary widely, drawing upon diverse fields such as biomedical engineering, biomolecular genetics, bioprocess engineering, agricultural biology, or environmental engineering. Students may engage in problems related to biomechanics, cardiovascular engineering, genetic engineering, agricultural biotechnology, tissue engineering, biomedical devices, human interfaces, bioprocesses, forensics, and bioethics. (Available SY 2011-.)

### **21108A000 Blueprint Reading**

Blueprint Reading courses provide students with the knowledge and ability to interpret the lines, symbols, and conventions of drafted blueprints. They generally emphasize interpreting, not producing, blueprints, although the courses may provide both types of experiences. Blueprint Reading courses typically use examples from a wide variety of industrial and technological applications. (Available SY 2011-.)

### **21108A001 Blueprint Reading**

**CTE Course**

Blueprint Reading courses provide students with the knowledge and ability to interpret the lines, symbols, and conventions of drafted blueprints. They generally emphasize interpreting, not producing, blueprints, although the courses may provide both types of experiences. Blueprint Reading courses typically use examples from a wide variety of industrial and technological applications. (Available SY 2021-.)

### **21107A000 CAD Design and Software**

Frequently offered as an intermediary step to more advanced drafting courses (or as a concurrent course), CAD Design and Software courses introduce students to the computer-aided drafting systems available in the industry. (Available SY 2011-.)

### **21011A000 Civil Engineering**

Civil Engineering courses expose students to the concepts and skills used by urban planners, developers, and builders. Students may be trained in soil sampling and analysis, topography and surveying, and drafting or blueprint-reading. Additional course topics may include traffic analysis, geologic principles, and urban design. (Available SY 2011-.)

### **21012A000 Civil Engineering and Architecture**

Civil Engineering and Architecture courses provide students with an overview of the fields of Civil Engineering and Architecture while emphasizing the interrelationship of both fields. Students typically use software to address real world problems and to communicate the solutions that they develop. Course topics typically include the roles of civil engineers and architects, project-planning, site-planning, building design, project documentation, and presentation. (Available SY 2011-.)



**21012A001 Civil Engineering and Architecture****CTE Course**

Civil Engineering and Architecture courses provide students with an overview of the fields of Civil Engineering and Architecture while emphasizing the interrelationship of both fields. Students typically use software to address real world problems and to communicate the solutions that they develop. Course topics typically include the roles of civil engineers and architects, project-planning, site-planning, building design, project documentation, and presentation. (Available SY 2011-.)

**21010A000 Computer Integrated Manufacturing**

Computer Integrated Manufacturing courses involve the study of robotics and automation. Building on computer solid modeling skills, students may use computer numerical control (CNC) equipment to produce actual models of their three-dimensional designs. Course topics may also include fundamental concepts of robotics, automated manufacturing, and design analysis. (Available SY 2011-.)

**21010A001 Computer Integrated Manufacturing****CTE Course**

Computer Integrated Manufacturing courses involve the study of robotics and automation. Building on computer solid modeling skills, students may use computer numerical control (CNC) equipment to produce actual models of their three-dimensional designs. Course topics may also include fundamental concepts of robotics, automated manufacturing, and design analysis. (Available SY 2011-.)

**71006A001 Design and Modeling (PLTW GTT)****CTE Course**

This unit uses solid modeling software (a sophisticated mathematical technique for representing solid objects) as part of the design process. Utilizing this design approach, students understand how design influences their lives. Students also learn sketching techniques and use descriptive geometry as a component of design, measurement and computer modeling. Students brainstorm, research, develop ideas, create models, test and evaluate design ideas and communicate solutions. (Available SY 2012-2021.)

**21008A000 Digital Electronics**

Digital Electronics courses teach students how to use applied logic in the development of electronic circuits and devices. Students may use computer simulation software to design and test digital circuitry prior to the actual construction of circuits and devices. (Available SY 2011-.)

**21008A001 Digital Electronics****CTE Course**

Digital Electronics courses teach students how to use applied logic in the development of electronic circuits and devices. Students may use computer simulation software to design and test digital circuitry prior to the actual construction of circuits and devices. (Available SY 2011-.)

**21102A001 Drafting****CTE Course**

Drafting—General courses, usually offered as a sequence of courses, introduce students to the technical craft of drawing illustrations to represent and/or analyze design specifications and then refine the skills necessary for this craft. Drafting—General courses use exercises from a variety of applications to provide students with the knowledge and experience to develop the ability to perform freehand sketching, lettering, geometric construction, and multiview projections and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems (if available) are typically introduced and used to fulfill course objectives. (Available SY 2011-.)

**71102A000 Drafting – General**

Drafting-General courses introduce students to the technical craft of drawing illustrations to represent and/or analyze design specifications and then refine the skills necessary for this craft. Drafting- General courses use exercises from a variety of applications to provide to students the knowledge and experience to develop the ability to perform freehand sketching, lettering, geometric construction, and multiview projections and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems (if available) are typically introduced and used to fulfill course objectives. (Available SY 2012-2023.)

**71147A000 Drafting – Independent Study**

Drafting-Independent Study courses, often conducted with instructors as mentors, enable students to explore drafting-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

**21101A000 Drafting Careers Exploration**

Geared for students with an interest in careers that use drafting skills and applications, Drafting Careers Exploration courses expose students to the opportunities available for draftspeople (engineering, architectural, industrial, and so on). These courses serve to introduce basic skills and the field in general, providing students with the opportunity to identify a focus for continued study or to determine that their interests lie elsewhere. (Available SY 2011-.)

## **21148A001 Drafting Workplace Experience**

**CTE Course**

Drafting Workplace Experience courses provide work experience in a field related to drafting. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

## **21103A000 Drafting—Architectural**

Drafting—Architectural courses introduce students to and help them refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using examples drawn from architectural applications. These courses are intended to help students develop general drafting skills, but place a particular emphasis on interior and exterior residential (and light commercial) design, site orientation, floor plans, electrical plans, design sketches, and presentation drawings. In addition, students may prepare scale models. (Available SY 2011-.)

## **21104A000 Drafting—Civil/Structural**

Drafting—Civil/Structural courses introduce students to and help them refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using examples drawn from civil engineering and/or structural applications. These courses are intended to help students develop general drafting skills, but place a particular emphasis on skills needed for typography and survey work. (Available SY 2011-.)

## **21105A000 Drafting—Electrical/Electronic**

Drafting—Electrical/Electronic courses introduce students to and help them refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using examples drawn from electric and/or electronic fields. These courses are intended to help students develop general drafting skills, but place a particular emphasis on those skills needed for electrical and electronic schematics. (Available SY 2011-.)

### **21102A000 Drafting—General**

Drafting—General courses introduce students to the technical craft of drawing illustrations to represent and/or analyze design specifications and then refine the skills necessary for this craft. Drafting—General courses use exercises from a variety of applications to provide to students the knowledge and experience to develop the ability to perform freehand sketching, lettering, geometric construction, and multiview projections and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems (if available) are typically introduced and used to fulfill course objectives. (Available SY 2011-.)

### **21147A000 Drafting—Independent Study**

Drafting—Independent Study courses, often conducted with instructors as mentors, enable students to explore drafting-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **21149A000 Drafting—Other**

Other Drafting courses. (Available SY 2011-.)

### **21106A000 Drafting—Technical/Mechanical**

Drafting—Technical/Mechanical courses introduce students to and help them refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using examples drawn from industrial applications. These courses are intended to help students develop general drafting skills, but place a particular emphasis on sectioning, auxiliary views, revolutions, and surface development. In these courses, students typically learn basic machining and fabrication processes as they draw schematic diagrams featuring cams, gears, linkages, levers, pulleys, and so on. (Available SY 2011-.)

### **21148A000 Drafting—Workplace Experience**

Drafting—Workplace Experience courses provide work experience in a field related to drafting. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **21053A000 Emerging Technologies**

Emerging Technologies courses expose students to and help them understand new and emerging technologies. The range of technological issues covered in this course can vary widely and content covered can be flexible. Topics covered may include, but are not limited to, lasers, fiber optics, robotics, and transportation technologies. (Available SY 2011-.)

### **21053A001 Emerging Technologies**

**CTE Course**

Emerging Technologies courses emphasize students' exposure to and understanding of new and emerging technologies. The range of technological issues varies widely but typically include lasers, fiber optics, electronics, robotics, computer technologies (software engineering), Game Art and Design, CAD/CAM, communication modalities, and transportation technologies. (Available SY 2013-.)

### **21098A001 Energy Systems Technology Workplace Experience**

**CTE Course**

Energy Systems Technology Workplace Experience courses provide students with work experience in a field related to technological systems and structures. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **21098A002 Energy Workplace Experience**

**CTE Course**

Energy Workplace Experience courses provide work experience in fields related to the Energy cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

### **71005A000 Engineering – Comprehensive**

Engineering-Comprehensive courses introduce students to and expand their knowledge of major engineering concepts such as modeling, systems, design, optimization, technology-society interaction, and ethics. Particular topics often include applied engineering graphic systems, communication of technical information, engineering design principles, material science, research and development processes, and manufacturing techniques and systems. The courses may also cover the opportunities and challenges in various branches of engineering. (Available SY 2012-2023.)

### **71047A000 Engineering – Independent Study**

Engineering-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to engineering. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **71049A000 Engineering – Other**

(Available SY 2012-2023.)

### **21016A000 Engineering Analysis**

Engineering Analysis courses help students apply engineering design processes to areas of the designed world, explore ethics in a technological world, and examine systems in civil, mechanical, electrical, and chemical engineering. These courses may provide STEM-based projects to teach students to communicate information through team-based presentations, proposals, and technical reports. (Available SY 2021-.)

### **71997A000 Engineering and Technology – Independent Study**

Engineering and Technology-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to engineering and/or technology. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **71999A000 Engineering and Technology – Other**

(Available SY 2012-2023.)

### **21995A000 Engineering and Technology—Aide**

Engineering and Technology—Aide courses offer students the opportunity to assist instructors in preparing, organizing or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-.)

### **21997A000 Engineering and Technology—Independent Study**

Engineering and Technology—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to engineering and/or technology. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **21999A000 Engineering and Technology—Other**

Other Engineering and Technology courses. (Available SY 2011-.)

### **21998A000 Engineering and Technology—Workplace Experience**

Engineering and Technology—Workplace Experience courses provide students with work experience in a field related to engineering or technology. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **21002A000 Engineering Applications**

Engineering Applications courses provide students with an overview of the practical uses of a variety of engineering applications. Topics covered usually include hydraulics, pneumatics, computer interfacing, robotics, computer-aided design, computer numerical control, and electronics. (Available SY 2011-.)

### **71002A000 Engineering Applications (prior-to-secondary)**

Engineering Applications courses provide an overview of the practical uses of a variety of engineering applications. Topics covered usually include hydraulics, pneumatics, computer

interfacing, robotics, computer-aided design, computer numerical control, and electronics.  
(Available SY 2012-2023.)

### **21006A000 Engineering Design**

Engineering Design courses offer students experience in solving problems by applying a design development process. Often using solid modeling computer design software, students develop, analyze, and test product solutions models as well as communicate the features of those models.  
(Available SY 2011-.)

### **21006A002 Engineering Design**

**CTE Course**

In this course, engineering scope, content, and professional practice are presented through practical applications. Students in engineering teams apply technology, science, and mathematics concepts and skills to solve engineering design problems and create innovative designs. Students research, develop, test, and analyze engineering designs using criteria such as design effectiveness, public safety, human factors, and ethics. This course is the capstone experience for students who are interested in Technology, Innovation, Design, and Engineering. (Available SY 2011-.)

### **21007A002 Engineering Design & Development**

**CTE Course**

Engineering Design and Development courses provide students with the opportunity to apply engineering research principles as they design and construct a solution to an engineering problem. Students typically develop and test solutions using computer simulations or models but eventually create a working prototype as part of the design solution. (Available SY 2011-2021.)

### **71006A000 Engineering Design (prior-to-secondary)**

Engineering Design courses offer students experience in solving problems by applying a design development process. Often using solid modeling computer design software, students develop, analyze, and test product solutions models and communicate the features of those models.  
(Available SY 2012-2023.)

### **21007A000 Engineering Design and Development**

Engineering Design and Development courses provide students with the opportunity to apply engineering research principles as they design and construct a solution to an engineering problem. Students typically develop and test solutions using computer simulations or models but eventually create a working prototype as part of the design solution. (Available SY 2011-.)



### **21003A000 Engineering Technology**

Engineering Technology courses provide students with the opportunity to focus on one or more areas of industrial technology. Students apply technological processes to solve real engineering problems; develop the knowledge and skills to design, modify, use, and apply technology; and may also design and build prototypes and working models. Topics covered in the course include the nature of technology, use of technology, and design processes. (Available SY 2011-.)

### **71003A000 Engineering Technology (prior-to-secondary)**

Engineering Technology courses provide an opportunity to focus on one or more areas of industrial technology. Students apply technological processes to solve real engineering problems; develop the knowledge and skills to design, modify, use, and apply technology; and may also design and build prototypes and working models. Topics covered in the course include the nature of technology, use of technology, and design processes. (Available SY 2012-2023.)

### **21048A001 Engineering Workplace Experience**

**CTE Course**

Engineering Workplace Experience courses provide students with work experience in an engineering-related field. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2021-.)

### **21005A000 Engineering—Comprehensive**

Engineering—Comprehensive courses introduce students to and expand their knowledge of major engineering concepts such as modeling, systems, design, optimization, technology-society interaction, and ethics. Particular topics often include applied engineering graphic systems, communicating technical information, engineering design principles, material science, research and development processes, and manufacturing techniques and systems. The courses may also cover the opportunities and challenges in various branches of engineering. (Available SY 2011-.)

### **21047A000 Engineering—Independent Study**

Engineering—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to engineering. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **21049A000 Engineering—Other**

Other Engineering courses. (Available SY 2011-.)

### **21048A000 Engineering—Workplace Experience**

Engineering—Workplace Experience courses provide students with work experience in an engineering-related field. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **71001A002 Exploring Technology (EbD)**

**CTE Course**

This course helps to develop an understanding of the progression and scope of technology through exploratory experiences. In group and individual activities, students experience ways in which technological knowledge and processes contribute to effective designs, abilities, and skills contribute to effective design and solutions to technological problems. Students participate in design activities to understand how criteria, constraints, and processes affect designs. (Available SY 2012-2021.)

### **71002A002 Flight and Space (PLTW GTT)**

**CTE Course**

Students study the history of aerospace through hands-on activities, research and a presentation in the form of an infomercial. Students explore the science behind aeronautics and use their knowledge to design, build and test a model glider. Simulation software is used to expose students to traveling and living in space. (Available SY 2012-2021.)

### **21052A001 Foundations of Technology**

**CTE Course**

The course employs teaching/learning strategies that enable students to build their own understanding of new ideas. It is designed to engage students in exploring and deepening their understanding of “big ideas” regarding technology and apply technological processes to solve real problems and develop knowledge and skills to design, modify, use and apply technology in the

following areas: engineering design, manufacturing technologies, construction technologies, energy & power, information & communication technologies and emerging technologies. (Available SY 2011-.)

### **21058A000 Geospatial Technology**

Geospatial Technology courses provide students with experiences pertaining to the study of geographic information systems (GIS), global positioning systems (GPS), remote sensing (RS), digital image processing simulator (DIPS), Geodesy, automated cartography (Auto-Carto), land surveying (LS), and navigation. These courses may use spatial analysis models and guidelines for integrating, interpreting, analyzing, and synthesizing geographic data, with a focus on both the implications and limitations of such technologies. Other topics may include interfacing with telecommunications and automated database management systems. (Available SY 2021-.)

### **21058A001 Geospatial Technology**

**CTE Course**

Geospatial Technology courses provide students with experiences pertaining to the study of geographic information systems (GIS), global positioning systems (GPS), remote sensing (RS), digital image processing simulator (DIPS), Geodesy, automated cartography (Auto-Carto), land surveying (LS), and navigation. These courses may use spatial analysis models and guidelines for integrating, interpreting, analyzing, and synthesizing geographic data, with a focus on both the implications and limitations of such technologies. Other topics may include interfacing with telecommunications and automated database management systems. (Available SY 2021-.)

### **71004A003 Green Architecture (PLTW GTT)**

**CTE Course**

In a world of increasing costs, from construction materials to energy use, it is important to expose the next generation of builders to the concept of “being green.” In the wake of a hurricane, tsunami, or forest fire, many affordable homes are needed quickly; students will learn how to provide necessary housing and repurpose otherwise unused building materials. (Available SY 2014-2021.)

### **21062A000 IB Design, Middle Years Program**

**IB Course**

International Baccalaureate (IB) Design, Middle Years Program courses are essentially concerned with solving problems, and they encourage students to investigate, design, plan, create, and evaluate. Content is balanced among systems, information, and materials, but the particular technology subjects may vary. These courses were formerly known as IB Technology, Middle Years Program. (Available SY 2012-.)

**21006A001 Introduction to Engineering Design****CTE Course**

Engineering Design courses offer students experience in solving problems by applying a design development process. Often using solid modeling computer design software, students develop, analyze, and test product solutions models as well as communicate the features of those models. (Available SY 2011-.)

**21052A002 Introduction to Technology and Engineering (Industrial)****CTE Course**

Introduction to Technology & Engineering is comprised of the following areas: Production, Transportation, Communication, Energy Utilization and Engineering Design but is not limited to these areas only. This course will cover the resources, technical processes, industrial applications, material sciences, technological impact and occupations encompassed by that system. (Available SY 2011-.)

**71006A002 Invention and Innovation (EbD)****CTE Course**

This course provides students with opportunities to apply the design process in the invention or innovation of a new product, process, or system. It will help develop a student's understanding of the scope of technology and the nature of technological design and problem-solving processes. Students will be involved in activities and experiences where they learn about brainstorming, visualizing, modeling, constructing, testing, experimenting, and refining designs. (Available SY 2012-2021.)

**21057A000 Laser/Fiber Optics**

Laser/Fiber Optics courses cover the history, safety, and theory of laser light and laser systems. In these courses, various laser system configurations and operations are examined. (Available SY 2021-.)

**71002A003 Magic of Electrons (PLTW GTT)****CTE Course**

Through hands-on projects, students explore the science of electricity, the behavior and parts of atoms, circuit design and sensing devices. Students acquire knowledge and skills in basic circuitry design and explore the impact of electricity on their lives. (Available SY 2012-2021.)

**21106A001 Mechanical Drafting I****CTE Course**

This course introduces students to layout to scale using specified tolerances, preparing detail drawing for individual parts from drawings, layout and creating assembly drawings, and preparing mechanical orthographic subassembly drawings. This course also includes a sequence of CAD

experiences in 2-dimensional and 3-dimensional drawing generation to include vocabulary development, system operation, entity creation, dimensioning and text insertion, plotting, three dimensional coordinate system, 3-D parts detailing and assembly drawings, wire frame models, and system management relative to hard disk and tape storage systems. (Available SY 2011-.)

### **21106A002 Mechanical Drafting II**

### **CTE Course**

Instruction is provided in the areas of identifying appropriate interfacing personnel (internal/external), producing renderings and project time schedules, producing structural working drawings as structural steel plans, dimension structural steel drawings, and draw beam connections, and producing electrical and electronic working drawings as electrical and electronic schematic diagrams. Additional skills introduced in this program include determining the requirements of a specific drafting job, preparing preliminary drawings such as freehand, isometric, orthographic, and oblique sketches; preparing detail drawings such as creating assembly drawings, orthographic projections, sectional views, auxiliary views, isometric views and letter drawings; producing mechanical working drawings such as detailing components of mechanical orthographic assembly and subassembly drawings; using CAD command processes as preparing a basic CAD drawing, start up, log on, retrieve, save, log off and shut down CAD system; creating disk files, copying disk files, and generating a grid on drawing. (Available SY 2011-.)

### **21059A000 Modeling and Simulation Technology**

Modeling and Simulation Technology courses allow students to explore the use of modeling, simulation, and game development software to solve real-world problems in science, technology, engineering, and mathematics (STEM). These courses typically address the systems, processes, tools, and implications of the field of modeling and simulation technology. Courses topics may also include evaluating and testing engineering designs, modeling geospatial data, observing and analyzing physics simulations, programming games for educational purposes, and creating visualization systems with 3D models. (Available SY 2021-.)

### **21015A000 Particular Topics in Engineering**

These courses examine specific topics in engineering other than those already described elsewhere in this classification system. (Available SY 2011-.)

### **21056A000 Particular Topics in Technology Applications**

These courses examine specific topics in technology applications other than those already described elsewhere in this classification system. (Available SY 2011-.)

### **21019A000 PLTW Aerospace Engineering**

Following Project Lead the Way's suggested curriculum, PLTW Aerospace Engineering courses are designed to teach students the fundamentals of atmospheric and space flight. These courses emphasize physics and robot system concepts by focusing on the design of an airfoil, propulsion systems, rockets, and remotely operated vehicles. Course content may include the study of orbital mechanics using industry-standard software. (Available SY 2021-.)

### **21021A000 PLTW Civil Engineering and Architecture**

Following Project Lead the Way's suggested curriculum, PLTW Civil Engineering and Architecture courses focus on building and site design and development. In these courses, students use 3D architecture design software and apply mathematics, science, and standard engineering projects to create residential and commercial designs. (Available SY 2021-.)

### **21022A000 PLTW Computer Integrated Manufacturing**

Following Project Lead the Way's suggested curriculum, PLTW Computer Integrated Manufacturing courses introduce students to high-tech innovations related to modern manufacturing. These courses emphasize manufacturing processes, product design, robotics, and automation. (Available SY 2021-.)

### **21023A000 PLTW Digital Electronics**

Following Project Lead the Way's suggested curriculum, PLTW Digital Electronics courses introduce students to digital circuits in appliances and mobile devices. Course topics include combinational and sequential logic, logic gates, integrated circuits, programmable logic devices, along with other circuit design tools. (Available SY 2021-.)

### **21025A000 PLTW Engineering Design and Development**

Following Project Lead the Way's curriculum, the PLTW Engineering Design and Development course is a capstone course for the PLTW Engineering program. Students use knowledge obtained in previous courses to identify an issue and research and design a solution. Students may present the results of their solution to a panel of engineers. (Available SY 2021-.)

### **21024A000 PLTW Environmental Sustainability**

Following Project Lead the Way's suggested curriculum and using hands-on activities and simulations, PLTW Environmental Sustainability courses help students investigate and design

solutions in response to real-world challenges related to supply and access to drinking water, food supply issues, and renewable energy. (Available SY 2021-.)

### **21017A000 PLTW Introduction to Engineering Design**

Following Project Lead the Way's suggested curriculum, PLTW Introduction to Engineering Design courses provide an opportunity for students to become involved in hands-on projects that require mathematics, science, and engineering applications. In these courses, students review problems, document work in an engineering notebook, and design solutions using 3D modeling software. (Available SY 2021-.)

### **21018A000 PLTW Principles of Engineering**

Following Project Lead the Way's suggested curriculum, PLTW Principles of Engineering courses focus on solving a wide range of engineering problems. Topics such as mechanisms, structure and material strength, and automation are explored as students research, strategize, and document the design process. (Available SY 2021-.)

### **21001A000 Pre-Engineering Technology**

Pre-Engineering Technology courses integrate technology-oriented applications of mathematics and science into pre-engineering activities for students. Course topics may include material sciences, technology processes, enterprises, and career opportunities. (Available SY 2011-.)

### **71001A000 Pre-Engineering Technology (prior-to-secondary)**

Pre-Engineering Technology courses integrate technology-oriented applications of mathematics and science into pre-engineering activities for students. Course topics may include material sciences, technology processes, enterprises, and career opportunities. (Available SY 2012-2023.)

### **21004A000 Principles of Engineering**

Principles of Engineering courses provide students with an understanding of the engineering/technology field. Students typically explore how engineers use various technology systems and manufacturing processes to solve problems; they may also gain an appreciation of the social and political consequences of technological change. (Available SY 2011-.)

**21004A001 Principles of Engineering****CTE Course**

Principles of Engineering courses provide students with an understanding of the engineering/technology field. Students typically explore how engineers use various technology systems and manufacturing processes to solve problems; they may also gain an appreciation of the social and political consequences of technological change. (Available SY 2011-.)

**71004A000 Principles of Engineering (prior-to-secondary)**

Principles of Engineering courses provide an understanding of the engineering/technology field. Students typically explore how engineers use various technology systems and manufacturing processes to solve problems; they may also gain an appreciation of the social and political consequences of technological change. (Available SY 2012-2023.)

**21001A001 Principles of Technology I****CTE Course**

This course provides learning experiences related to the principles that underlie today's high technology: force, work, rate, resistance, energy, power, and force transformers. The course deals with these principles as they apply in each of the four systems that make up both the simplest and the most complex technological devices and equipment: mechanical systems, fluid systems, electrical systems, and thermal systems. Learning experiences are designed to allow students to acquire knowledge and skills which are transferable to postsecondary technical programs. (Available SY 2011-.)

**21001A002 Principles of Technology II****CTE Course**

This course includes learning experiences related to the principles that underlie today's high technology: momentum, waves and vibrations, energy converters, transducers, radiation, optical systems, and time constraints. The course deals with these principles as they apply in each of the systems that make up both the simplest and the most complex technological devices and equipment: mechanical systems, fluid systems, electrical systems, and thermal systems. Learning experiences are designed to allow students to acquire knowledge and skills which are transferable to postsecondary technical programs. (Available SY 2011-.)

**21009A000 Robotics**

Robotics courses help students develop and expand their skills and knowledge of robotics and related scientific and engineering topics. Course topics may include principles of mechanics, electronics, hydraulics, pneumatics, programmable logic controllers. These courses may emphasize the use of engineering principles to design and build robots, construct and connect sensors, and program robots in the programming language. (Available SY 2011-.)



**21009A001 Robotics****CTE Course**

Robotics courses help students develop and expand their skills and knowledge of robotics and related scientific and engineering topics. Course topics may include principles of mechanics, electronics, hydraulics, pneumatics, programmable logic controllers. These courses may emphasize the use of engineering principles to design and build robots, construct and connect sensors, and program robots in the programming language. (Available SY 2012-.)

**71009A000 Robotics (prior-to-secondary)**

Robotics courses develop and expand students' skills and knowledge so that they can design and develop robotic devices. Topics covered in the course may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers. (Available SY 2012-2023.)

**71001A001 Science of Technology (PLTW GTT)****CTE Course**

Students trace how science has affected technology throughout history and learn about applied physics, chemical engineering and nanotechnology through exploratory activities and projects. (Available SY 2012-2021.)

**21998A001 Science, Technology, Engineering & Mathematics Workplace Experience****CTE Course**

Science, Technology, Engineering & Mathematics Workplace Experience courses provide work experience in fields related to the Science, Technology, Engineering & Mathematics cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships. (Available SY 2022-.)

**21054A001 Technological Design and Innovation****CTE Course**

In this course, technological design and innovation are presented through practical applications. Students apply technology, science, and mathematics concepts and skills to solve technological/engineering problems and innovative designs. Students research, develop, create

simulations, test, and analyze engineering designs using criteria such as design effectiveness, public safety and human factors. (Available SY 2011-.)

### **21051A000 Technological Literacy**

Technological Literacy courses expose students to the communication, transportation, energy, production, biotechnology, and integrated technology systems and processes that affect their lives. The study of these processes enables students to better understand technological systems and their applications and uses. (Available SY 2011-.)

### **71051A000 Technological Literacy (prior-to-secondary)**

Technological Literacy courses expose students to the communication, transportation, energy, production, biotechnology, and integrated technology systems and processes that affect their lives. The study of these processes enables students to better understand technological systems and their applications and uses. (Available SY 2012-2023.)

### **21052A000 Technological Processes**

Technological Processes courses provide students with the opportunity to focus on one or more areas of industrial technology, applying technological processes to solve real problems and developing the knowledge and skills to design, modify, use, and apply technology appropriately. Students may examine case studies, explore simulations, or design and build prototypes and working models. (Available SY 2011-.)

### **71004A002 Technological Systems (EbD)**

**CTE Course**

This course is intended to teach students how technological systems work together to solve problems and capture opportunities. Students participate in engineering design activities to understand how criteria, constraints, and processes affect designs. This course will give students a general background on the different types of systems, but will concentrate more on the connections between these systems. (Available SY 2012-2021.)

### **71097A000 Technology – Independent Study**

Technology-Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to technology systems and processes. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2023.)

### **21054A000 Technology Innovation and Assessment**

Technology Innovation and Assessment courses use engineering design activities to help students understand how criteria, constraints, and processes affect design solutions and provide students with the skills to systematically assess technological developments or solutions. Course topics may include brainstorming, visualizing, modeling, simulating, constructing, testing, and refining designs. (Available SY 2011-.)

### **21054A004 Technology, Society and Sustainability**

**CTE Course**

Technology, Society and Sustainability course will provide an overview of the importance of, impact on, and relationships between technological endeavors and society at large. This courses typically emphasize environmental factors, economics impacts and the influences of society on technological/environmental endeavors. (Available SY 2016-.)

### **21097A000 Technology—Independent Study**

Technology—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to technology systems and processes. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-.)

### **21099A000 Technology—Other**

Other Technology courses. (Available SY 2011-.)

### **21098A000 Technology—Workplace Experience**

Technology—Workplace Experience courses provide students with work experience in a field related to technological systems and structures. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-.)

### **21060A000 Wind Energy**

Wind Energy courses introduce students to the terminology and other aspects of the wind industry. Course topics may include, but are not limited to, the history and development of the

wind industry, types and applications of various wind turbines, environmental and economic issues of the wind industry, and the future of the industry. (Available SY 2021-.)

### **21061A000 Wind Turbine Construction and Operation**

Wind Turbine Construction and Operation courses provide students with an understanding of wind turbine operation and the wind energy industry. These course enable students to study site preparation and construction, turbine component specifications and manufacturing, operation and maintenance programs, and data acquisition and assessment. (Available SY 2021-.)

### **21061A001 Wind Turbine Maintenance**

**CTE Course**

Wind Turbine Maintenance courses provide students with an understanding of wind turbine maintenance and operation and the wind energy industry. These course enable students to study site preparation and construction, turbine component specifications and manufacturing, operation and maintenance programs, and data acquisition and assessment. (Available SY 2021-.)

## 22 Miscellaneous

### 22115A000 Academic Competition

Academic Competition courses prepare students to compete individually or in teams in organized contests that test their academic knowledge and skills. Specific content depends upon the competition (examples include Academic Decathlon or Pentathlon, Model UN, subject-specific Olympiads, and Odyssey of the Mind); however, these courses typically foster research, public speaking, critical thinking, and teamwork skills. (Courses that focus on Forensics/Debate competitions should be coded with one of the Forensic Speech course codes.) (Available SY 2021-.)

### 72007A000 Advancement Via Individual Determination (AVID)

AVID courses encourage students to pursue college readiness (and eventual enrollment). Typically, the courses offer activities that enable students to learn organizational and study skills, enhance their critical thinking skills, receive academic assistance as necessary, and be motivated to aspire to college education. (Available SY 2012-2023.)

### 22007A000 Advancement Via Individual Determination (AVID)

AVID courses encourage students to pursue college readiness (and eventual enrollment). Typically, the courses offer activities that enable students to learn organizational and study skills, enhance their critical thinking skills, receive academic assistance as necessary, and be motivated to aspire to college education. (Available SY 2024-.)

### 22112A000 AP Research

**AP Course**

Designed by the College Board to parallel college-level courses in independent research, AP Research courses provide students with the opportunity to conduct an in-depth, mentored research project. Course topics include research methods, ethical research practices, and accessing, analyzing, and synthesizing information to address a research question. Courses culminate with an academic thesis paper and an oral defense of the research design, approach, and findings. (Available SY 2015-.)

### 01106A000 AP Research

**AP Course**

Designed by the College Board to parallel college-level courses in independent research, AP Research courses provide students with the opportunity to conduct an in-depth, mentored research project. Course topics include research methods, ethical research practices, and

accessing, analyzing, and synthesizing information to address a research question. Courses culminate with an academic thesis paper and an oral defense of the research design, approach, and findings. (Available SY 2015-2023.)

**22107A000 AP Seminar**

**AP Course**

Designed by the College Board to parallel college-level courses in critical thinking and communications, AP Seminar courses provide students with the opportunity to explore complex real world issues through cross-curricular lenses. Course topics vary and may include local, civic, or global issues and interdisciplinary subject areas. Courses typically emphasize research, communication, and critical-thinking skills to explore the issues addressed. Students may also examine source materials such as articles and other texts; speeches and personal accounts; and relevant artistic and literary works. (Available SY 2015-2023.)

**22110A000 AP Seminar**

**AP Course**

Designed by the College Board to parallel college-level courses in critical thinking and communications, AP Seminar courses provide students with the opportunity to explore complex real world issues through cross-curricular lenses. Course topics vary and may include local, civic, or global issues and interdisciplinary subject areas. Courses typically emphasize research, communication, and critical-thinking skills to explore the issues addressed. Students may also examine source materials such as articles and other texts; speeches and personal accounts; and relevant artistic and literary works. (Available SY 2015-.)

**22151A000 Career Exploration**

Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills. (Available SY 2011-.)

**22151A001 Career Exploration**

**CTE Course**

Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills. (Available SY 2019-.)

### **72151A000 Career Exploration (prior-to-secondary)**

Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests, with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills. (Available SY 2012-2023.)

### **22106A001 College and Career Readiness Seminar (Grade 11)**

College and Career Readiness Seminar courses offer the opportunity for students to prepare for the college and career transition. In grade 11, students will explore different components of their identity, their strengths and their aspirations. Through this seminar, students will learn more about the various postsecondary pathway opportunities that exist and connect these pathways to their career interests. Students will hone in on the institutions and / or programs that fit their academic profile, unique strengths, and values so that they understand what is needed to ultimately pursue that path. Students will also engage in regular check-ins with their teacher in order to connect on how they are doing, celebrate their successes, problem solve around challenges and create a plan for action steps. (Available SY 2022-.)

### **22106A002 College and Career Readiness Seminar (Grade 12)**

College and Career Readiness Seminar courses offer the opportunity for students to prepare for the college and career transition. In grade 12, with the support of their family and community, students will leverage their self-advocacy and agency to apply to their selected post-secondary institutions as well as apply for funding. In the second semester, students will evaluate different postsecondary options and enroll in the pathway that best aligns to their needs, values, and goals. Students will complete assignments that will prepare them for the academic and social life to expect in the first year of their postsecondary pathway and determine the resources and support their need from their teachers and community to be successful. (Available SY 2022-.)

### **22252A000 Communication Instruction**

Communication Instruction courses are typically individualized according to each student's condition and needs. Increasing the student's communication skills—oral expression, listening comprehension, reading, and writing—is emphasized; communication techniques in several areas (Educational, social, and vocational) are often explored. (Available SY 2011-.)

### **22251A000 Community Living**

Community Living courses place a special emphasis on the student's relationship to the surrounding community. Instruction varies with the students and their needs; however, these courses provide the skills necessary for independent functioning within the surrounding

environment. Course topics may also include available community resources and how to access them, emergency skills, and independent living strategies. (Available SY 2011-.)

### **22104A000 Community Service**

Community Service courses provide students with the opportunity to volunteer their time, energy, and talents to serve a community project or organization. These courses are usually (but not always) conducted with a seminar component, so that students can use their volunteer experiences to learn how to solve problems, make decisions, and communicate effectively. (Available SY 2011-.)

### **72104A000 Community Service (prior-to-secondary)**

Community Service courses provide the opportunity for students to volunteer their time, energy, and talents to serve a community project or organization. These courses are usually (but not always) conducted with a seminar component, so that students can use their volunteer experiences to learn how to solve problems, make decisions, and communicate effectively. (Available SY 2012-2023.)

### **22153A001 Cooperative Education**

### **CTE Course**

Cooperative Education is a capstone course designed to assist students in the development of effective skills and attitudes through practical, advanced instruction in school and on the job through cooperative education. Students are released from school for their paid cooperative education work experience and participate in 200 minutes per week of related classroom instruction. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students' abilities to interact positively with others. For skills related to the job, refer to the skill development course sequences, the task list or related occupational skill standards of the desired occupational program. The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, organizations, and job termination. A qualified career and technical education coordinator is responsible for supervision. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student, and employer assume compliance with federal, state, and local laws and regulations. (Available SY 2011-2021.)

### **22161A000 Data Science**

Data Science courses prepare students to think critically about data and develop the tools, techniques, and principles for reasoning about the world with data. These courses teach students to use scientific methods, data sampling and probability, algorithms, and systems to analyze structured and unstructured data. Students will use modern data analysis tools, including



computer programming languages. Course topics may include big data, data cleaning, data modeling, data mining, artificial intelligence, correlation and causation, and bias and uncertainty. (Available SY 2023-.)

### **22162A000 Data Science Applications**

Data Science Applications courses emphasize the practical uses of data science concepts and the transformation of data to knowledge. Students will explore real-world datasets and answer questions using hands-on analysis, project-based learning, and programming software. (Available SY 2023-.)

### **22254A000 Developmental Support**

Developmental Support courses are customized according to each student's condition and needs, emphasizing an increase in skill or control of body and mind function. Examples of support may include refinement of gross and fine motor skills, development of visual perception, and improvement in eye-hand coordination. (Available SY 2011-.)

### **22153A000 Diversified Occupations**

Diversified Occupations courses help students enter the workforce through career exploration, job search and application, and the development of positive work attitudes and work-related skills. These courses typically cover such topics as career planning and selection, money management, communication skills, interpersonal business relationships and behaviors, and personal responsibility. Employment may be a required component of these courses, or students may be required to enroll concurrently in a work experience course. (Available SY 2011-.)

### **22004A000 Dropout Prevention Program**

Dropout Prevention Program courses vary widely, but typically are targeted at students who have been identified as being at risk of dropping out of or failing in school. Course content may include study skills and individual tutorials; career exploration or job readiness skills; communication skills; personal assessment and awareness activities; speaker presentations; and small-group seminars. (Available SY 2011-.)

### **72004A000 Dropout Prevention Program (prior-to-secondary)**

Dropout Prevention Program courses vary widely, but typically are targeted at students who have been identified as being at risk of dropping out of or failing in school. Course content may include study skills and individual tutorials; career exploration or job readiness skills; communication

skills; personal assessment and awareness activities; speaker presentations; and small-group seminars. (Available SY 2012-2023.)

### **22152A000 Employability Skills**

Employability Skills courses help students match their interests and aptitudes to career options with a focus on using employment information effectively, acquiring and improving job-seeking and interview skills, composing job applications and resumes, and learning the skills needed to remain in and advance within the workplace. Course content may also include consumer education and personal money management topics. (Available SY 2011-.)

### **72152A000 Employability Skills (prior-to-secondary)**

Employability Skills courses help students match their interests and aptitudes to career options, with a focus on using employment information effectively, acquiring and improving job-seeking and interview skills, composing job applications and resumes, and learning the skills needed to remain in and advance within the workplace. Course content may also include consumer education and personal money management topics. (Available SY 2012-2023.)

### **72250A000 Exploratory**

Exploratory courses provide a brief introduction to a variety of topics, typically elective subject areas, often in the form of discrete units or modules. Students may choose to take courses later that allow them to pursue the topics introduced in more depth. Topics may vary widely and span multiple subject areas within one course. (Available SY 2012-2023.)

### **22250A000 Exploratory**

Exploratory courses provide a brief introduction to a variety of topics, typically elective subject areas, often in the form of discrete units or modules. Students may choose to take courses later that allow them to pursue the topics introduced in more depth. Topics may vary widely and span multiple subject areas within one course. (Available SY 2024-.)

### **22153A002 FCS Cooperative Education**

### **CTE Course**

Family and Consumer Sciences Cooperative Education is designed for students interested in pursuing careers in occupations in the field family and consumer sciences. Classroom instruction focuses on providing students with workplace skills, post-secondary education opportunities related to the job/career pathway, developing and maintaining positive workplace relationships, planning for the future, legal protection and responsibility, professional organizations, and advancing skills related to the job. Classroom and worksite instruction is based on the duties of

the FCS occupation. Students are released from school for their paid cooperative education work experience, participate in 200 minutes per week of related classroom instruction, and supervised on-the-by a qualified instructor ½ hour or more per week per student. A qualified, certified FCS instructor is responsible for supervision. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student and employer assume compliance with federal, state and local laws and regulations. (Available SY 2011-2021.)

### **22052A000 Guidance Aide**

Guidance Aide courses provide students with the opportunity to work in the campus guidance office. Duties may include typing, filing, record-keeping, assisting students, answering the telephone, and duplicating, among others. Students may also act as guides to new students. These courses emphasize appropriate work attitudes, human relations, and proper office procedures. (Available SY 2011-.)

### **22111A000 IB Approaches to Learning**

**IB Course**

Obligatory for every International Baccalaureate Career-related Certificate, IB Approaches to Learning courses introduce students to life skills to enable them to engage critically with others. Course topics include ethical dilemmas, deductive and inductive reasoning, culture shock, academic honesty, and emotional intelligence. (Available SY 2021-2023.)

### **22108A000 IB Creativity, Activity, Service**

**IB Course**

IB Creativity, Action, and Service (CAS) courses are a required extracurricular component of the International Baccalaureate program. The CAS requirement emphasizes the importance of life outside of the world of scholarship and encourages young people to share their energies and special talents while they develop awareness, concern, and the ability to work cooperatively with others. Participation in theater productions, sports, and community service are examples of activities that fulfill the CAS course requirements. (Available SY 2021-.)

### **22109A000 IB Extended Essay**

**IB Course**

Obligatory for every International Baccalaureate degree candidate, IB Extended Essay aim to help students develop an independent, self-directed piece of research, culminating in a 4,000 word paper. These courses provide students with practical preparation for later research and help build their analysis, synthesis, and evaluation skills. (Available SY 2021-.)

**22113A000 IB Personal and Professional Skills****IB Course**

IB Personal and Professional Skills (PPS) courses are a required component of the International Baccalaureate's Career-related program. Intended to develop attitudes, skills, and strategies applicable to both personal and professional situations, these courses emphasize personal growth and development, interpersonal skills, intercultural understanding, and the use of ethics. IB Personal and Professional Skills courses are linked to students' career-related studies and may include work-based experiences. (Available SY 2021-.)

**22260A000 IB Personal Project, Middle Years Program****IB Course**

International Baccalaureate (IB) Personal Project, Middle Years Program courses occur during the final year of the program and should result in a significant piece of work that is the product of the student's own initiative and creativity. Students choose their projects, which may take many forms, and complete them under the supervision of a teacher. Projects involve planning, research, and a high degree of personal reflection. (Available SY 2015-.)

**72260A000 IB Personal Project, Middle Years Program****IB Course**

International Baccalaureate (IB) Personal Project, Middle Years Program courses occur during the final year of the program and should result in a significant piece of work that is the product of the student's own initiative and creativity. Students choose their projects, which may take many forms, and complete them under the supervision of a teacher. Projects involve planning, research, and a high degree of personal reflection. (Available SY 2012-2023.)

**22101A000 Leadership**

Leadership courses are designed to strengthen students' personal and group leadership skills. Typically intended for students involved in extracurricular activities (especially as officers of organizations or student governing bodies), these courses may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, and group dynamics. (Available SY 2011-.)

**72101A000 Leadership (prior-to-secondary)**

Leadership courses are designed to strengthen students' personal and group leadership skills. Typically intended for students involved in extracurricular activities (especially as officers of organizations or student governing bodies), these courses may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, and group dynamics. (Available SY 2012-2023.)

### **22053A000 Library/AVC Aide**

Library/AVC Aide courses provide students with the opportunity to work in the library or in media and audiovisual centers. Duties may include collecting, distributing, and categorizing materials; operating audiovisual equipment; assisting students and teachers; and performing clerical duties. Students typically gain experience in library science and/or media and audiovisual technology. (Available SY 2011-.)

### **72995A000 Miscellaneous – Aide**

Miscellaneous-Aide courses offer the opportunity for students to assist instructors in preparing, organizing, or delivering course curricula or to assist other staff members in fulfilling their duties. Students may provide tutorial or instructional assistance to other students. (Available SY 2012-2023.)

### **72999A000 Miscellaneous – Other**

(Available SY 2012-2023.)

### **22995A000 Miscellaneous—Aide**

Miscellaneous—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula or to assist other staff members in fulfilling their duties. Students may provide tutorial or instructional assistance to other students. Note: if the particular subject area is known, use the code associated with the Aide course within that subject area. (Available SY 2011-.)

### **22997A000 Miscellaneous—Independent Study**

Miscellaneous—Independent Study courses, typically organized as a mentorship with a teacher or outside professional, enable students to conduct investigations related to their field(s) of interest. Note: if the particular subject area is known, use the code associated with the Independent Study course within that subject area. (Available SY 2011-.)

### **22999A000 Miscellaneous—Other**

Other Miscellaneous courses. (Available SY 2011-.)

### **22998A000 Miscellaneous—Workplace Experience**

Miscellaneous—Workplace Experience courses provide students with work experience in a field related to their interests. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. Note: if the particular subject area is known, use the code associated with the Workplace Experience course within that subject area. (Available SY 2011-.)

### **22051A000 Office Aide**

Office Aide courses provide students with the opportunity to work in campus offices, developing skills related to clerical office work. Duties may include typing, filing, record-keeping, receiving visitors, answering the telephone, and duplicating, among others. These courses emphasize appropriate work attitudes, human relations, and proper office procedures. (Available SY 2011-.)

### **22197A000 Peer Counseling**

Peer Counseling courses allow students to serve as leaders to reduce conflict among their fellow students. Students may work individually or as part of a group to solve problems and promote mutual support among their peers. (Available SY 2021-.)

### **22103A000 School Governance**

School Governance courses convene students as an entire student body to discuss common concerns, organize groups for action, make decisions, and solve school-related problems. Because of the nature of these courses, they are typically offered at private, alternative, or experimental schools. (Available SY 2011-.)

### **72103A000 School Governance (prior-to-secondary)**

School Governance courses convene students as an entire student body to discuss common concerns, organize groups for action, make decisions, and solve school-related problems. Because of the nature of these courses, they are typically offered at private, alternative, or experimental schools. (Available SY 2012-2023.)

### **22102A000 School Orientation**

School Orientation courses provide students with an introduction to the culture of their school so that they understand staff expectations and the school's structure and conventions. These

courses may vary widely according to the philosophy, aims, and methods of each school.  
(Available SY 2011-.)

### **72102A000 School Orientation (prior-to-secondary)**

School Orientation courses provide to students an introduction to the culture of their school so that they understand staff expectations and the school's structure and conventions. These courses may vary widely according to the philosophy, aims, and methods of each school.  
(Available SY 2012-2023.)

### **22151A002 Secondary Transitional Experience Program**

STEP is a program approved by ISBE and provided by the DHS Division of Rehabilitation Services (DHS/DRS) that helps schools provide mandated transition services. These courses provide a built-in linkage to DHS/DRS, an agency that can assist students with disabilities with their post-school employment and career development goals. The program provides work experiences that coincide with post-secondary employment goals that could include paid employment or internships. This allows students to gain school credit towards graduation, while gaining hands-on work experience, with as-needed support services. The program also promotes the provision of the following Pre-employment Transition Services (per WIOA - the Workforce Innovation and Improvement Act):a. Job Exploration Counseling,b. Workplace Readiness Training,c. Counseling on Post-Secondary Education,d. Instruction in Self-Advocacy, ande. Work-Based Learning Experiences. Participation in the Secondary Transition Experience Program may include classroom activities as well, involving further study of the Pre-Employment Transition Services topics. Thus, STEP can be offered in combination with miscellaneous vocational courses such as: 22151A000 Career Exploration, and 22152A000 - Employability Skills. (Available SY 2021-.)

### **22151A003 Secondary Transitional Experience Program (CTE)**

### **CTE Course**

This course code should be used for students participating in a STEP program that are also participating in assigned Career and Technical Education (CTE) courses. If the STEP program is not connected to a CTE program, the code 22151A002 should be used instead. STEP is a program approved by ISBE and provided by the DHS Division of Rehabilitation Services (DHS/DRS) that helps schools provide mandated transition services. These courses provide a built-in linkage to DHS/DRS, an agency that can assist students with disabilities with their post-school employment and career development goals. The program provides work experiences that coincide with post-secondary employment goals that could include paid employment or internships. This allows students to gain school credit towards graduation, while gaining hands-on work experience, with as-needed support services. The program also promotes the provision of the following Pre-employment Transition Services (per WIOA - the Workforce Innovation and Improvement Act):a. Job Exploration Counseling,b. Workplace Readiness Training,c. Counseling on Post-Secondary Education,d. Instruction in Self-Advocacy, ande. Work-Based Learning Experiences. Participation in the Secondary Transition Experience Program may include classroom activities as well, involving further study of the Pre-Employment Transition Services

topics. Thus, STEP can be offered in combination with miscellaneous vocational courses such as: 22151A000 Career Exploration, and 22152A000 - Employability Skills. (Available SY 2023-.)

### **22106A000 Seminar**

Seminar courses vary widely, but typically offer a small peer group the opportunity to investigate areas of interest. Course objectives may include improvement of research and investigatory skills, presentation skills, interpersonal skills, group process skills, and problem-solving and critical thinking skills. Seminars aimed at juniors and seniors often include a college and career exploration and planning component. (Available SY 2011-.)

### **72106A000 Seminar (prior-to-secondary)**

Seminar courses vary widely, but typically offer to a small peer group the opportunity to investigate areas of interest. Course objectives may include improvement of research and investigatory skills, presentation skills, interpersonal skills, group process skills, and problem-solving and critical-thinking skills. (Available SY 2012-2023.)

### **22253A000 Social Development Instruction**

Social Development Instruction courses teach students the social skills needed for independent functioning with the community. Topics may include self-control, self-expression, obeying rules, decision-making, appropriate situational behavior, interacting with others, and maintaining relationships. Students may develop independence, self-confidence, and self-reliance. (Available SY 2011-.)

### **22001A000 Standardized Test Preparation**

Standardized Test Preparation courses help prepare students for national standardized tests such as the PSAT, SAT, and ACT. In particular, these courses assist students in developing and/or expanding their vocabulary, test-taking, and reasoning skills through study, lecture, and practice drills. Course topics may include vocabulary review; root words, prefixes, and suffixes; mathematical concepts, logic, and rules; and general problem-solving and test-taking strategies. (Available SY 2011-.)

### **72001A000 Standardized Test Preparation (prior-to-secondary)**

Standardized Test Preparation courses help to prepare students for national standardized tests. In particular, these courses assist students in developing and/or expanding their vocabulary, test-taking, and reasoning skills through study, lecture, and practice drills. Course topics may include



vocabulary review; root words, prefixes, and suffixes; mathematical concepts, logic, and rules; and general problem-solving and test-taking strategies. (Available SY 2012-2023.)

### **22002A000 State Test Preparation**

State Test Preparation courses prepare students for particular state tests required for graduation. These courses may cover specific content areas (such as citizenship, mathematics, language arts, and so on) according to individual student needs, or they may provide a more general course of study, similar to the Standardized Test Preparation course described above. (Available SY 2011-.)

### **72002A000 State Test Preparation (prior-to-secondary)**

State Test Preparation courses prepare students for particular state tests required for graduation. These courses may cover specific content areas (such as citizenship, mathematics, language arts, and so on) according to individual student needs, or they may provide a more general course of study, similar to the Standardized Test Preparation course described above. (Available SY 2012-2023.)

### **22006A000 Study Hall**

Study Hall courses provide students with the opportunity and time to complete classroom assignments or school projects. Students typically work on their own, without the help of a tutor; however, they are supervised and usually remain in the classroom. (Available SY 2011-.)

### **72006A000 Study Hall (prior-to-secondary)**

Study Hall courses provide the opportunity and time for students to complete classroom assignments or school projects. Students typically work on their own, without the help of a tutor; however, they are supervised and usually remain in the classroom. (Available SY 2012-2023.)

### **22003A000 Study Skills**

Study Skills courses prepare students for success in high school and/or for postsecondary education. Course topics may vary according to the students involved, but typically include reading improvement skills, such as scanning, note-taking, and outlining; library and research skills; listening and note-taking; vocabulary skills; and test-taking skills. The courses may also include exercises designed to generate organized, logical thinking and writing. (Available SY 2011-.)

**72003A000 Study Skills (prior-to-secondary)**

Study Skills courses prepare students for success in high school and/or postsecondary education. Course topics may vary according to the students involved, but typically include reading improvement skills, such as scanning, note-taking, and outlining; library and research skills; listening and note taking; vocabulary skills; and test-taking skills. The courses may also include exercises designed to generate organized, logical thinking and writing. (Available SY 2012-2023.)

**22005A000 Tutorial**

Tutorial courses provide students with the assistance they need to successfully complete their coursework. Students may receive help in one or several subjects. (Available SY 2011-.)

**72005A000 Tutorial (prior-to-secondary)**

Tutorial courses provide the assistance students need to successfully complete their coursework. Students may receive help in one or several subjects. (Available SY 2012-2023.)

**22054A000 Tutoring Practicum**

Tutoring Practicum courses provide students with the opportunity to offer tutorial assistance to their peers or to younger students. After an initial training period during which students learn how to work with other students and how to make use of the available resources (e.g., staff, written material, audiovisual aids, and so on), students engage in tutoring and assisting others who need or request help. (Available SY 2011-.)

**22105A000 Values Clarification**

Values Clarification courses enable students to explore individual and societal actions and implications in order to help them develop personal values and make decisions about their lives. Examples of discussion topics include philosophy and religion, world resource allocation, genetic engineering, environmental issues, and death-related issues (euthanasia, suicide, and abortion). (Available SY 2011-.)

**72105A000 Values Clarification (prior-to-secondary)**

Values Clarification courses enable students to explore individual and societal actions and implications in order to help them develop personal values and make decisions about their lives. Examples of discussion topics include philosophy and religion, world resource allocation, genetic

engineering, environmental issues, and death-related issues (euthanasia, suicide, and abortion).  
(Available SY 2012-2023.)

**22004A001 Work Experience and Career Exploration Program**

**CTE Course**

Dropout Prevention Program courses vary widely, but typically are targeted at students who have been identified as being at risk of dropping out of or failing in school. Course content may include study skills and individual tutorials; job preparation, readiness, application, or interview skills; communication skills; personal assessment and awareness activities; speaker presentations; and small group seminars. (Available SY 2011-2018.)

## **23 Non-Subject-Specific**

### **23001A000 Early Childhood Education**

Early Childhood Education courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for early childhood education. (Available SY 2021-.)

### **73031A000 Grade 1**

Grade 1 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 1. (Available SY 2015-2023.)

### **23004A000 Grade 1**

Grade 1 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 1. (Available SY 2024-.)

### **23005A000 Grade 2**

Grade 2 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 2. (Available SY 2024-.)

### **73032A000 Grade 2**

Grade 2 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 2. (Available SY 2015-2023.)

**73033A000 Grade 3**

Grade 3 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 3. (Available SY 2015-2023.)

**23006A000 Grade 3**

Grade 3 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 3. (Available SY 2024-.)

**23007A000 Grade 4**

Grade 4 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 4. (Available SY 2024-.)

**73034A000 Grade 4**

Grade 4 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 4. (Available SY 2015-2023.)

**73035A000 Grade 5**

Grade 5 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 5. (Available SY 2015-2023.)

**23008A000 Grade 5**

Grade 5 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single

subject-specific content area. Specific course content depends upon state standards for Grade 5. (Available SY 2024-.)

### **23009A000 Grade 6**

Grade 6 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 6. (Available SY 2024-.)

### **73036A000 Grade 6**

Grade 6 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 6. (Available SY 2015-2023.)

### **73037A000 Grade 7**

Grade 7 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 7. (Available SY 2015-2023.)

### **23010A000 Grade 7**

Grade 7 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 7. (Available SY 2024-.)

### **23011A000 Grade 8**

Grade 8 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 8. (Available SY 2024-.)

### **73038A000 Grade 8**

Grade 8 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 8. (Available SY 2015-2023.)

### **73028AHSE Head Start – Pre-Kindergarten**

(Available SY 2017-2020.)

### **23041A000 IB Primary Years Program**

### **IB Course**

International Baccalaureate (IB) Primary Years Program courses incorporate six transdisciplinary themes defined by the International Baccalaureate Organization as the framework for exploration and study at the primary level. Those themes are who we are, where we are in place and time, how we express ourselves, how the world works, how we organize ourselves, and sharing the planet. The course addresses multiple subject areas through the framework of these themes, including language; social studies; mathematics; arts; science; and personal, social, and physical education. (Available SY 2021-.)

### **23003A000 Kindergarten**

Kindergarten courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for kindergarten. (Available SY 2024-.)

### **73030A000 Kindergarten**

Kindergarten courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for kindergarten. (Available SY 2015-2023.)

### **73028ATIT Pre-K Title I – Pre-Kindergarten**

(Available SY 2017-2020.)

### **23002A000 Pre-kindergarten**

Pre-kindergarten courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for pre-kindergarten. (Available SY 2021-.)

### **73028AEXP Preschool Expansion – Pre-Kindergarten**

(Available SY 2017-2020.)

### **73028APFA Preschool for All – Pre-Kindergarten**

(Available SY 2017-2020.)

### **73028ASPE Preschool IDEA – Pre-Kindergarten**

(Available SY 2017-2020.)

### **73028APLD Preschool Local District – Pre-Kindergarten**

(Available SY 2017-2020.)

### **23012A000 Prior-to-Secondary Education**

Prior-to-secondary Education--General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. (Available SY 2021-.)

### **73028ATBP Tuition Based Preschool – Pre-Kindergarten**

(Available SY 2017-2020.)



## 24 World Languages

### **24997A001 African Language and Literature—Independent Study**

African Language and Literature—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest that are related to a specific African language (including, but not limited to: Swahili, Yoruba, Oromo, Hausa, Igbo, Amharic). Independent Study courses may serve as an opportunity for students to expand their expertise in a particular African language, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2022-.)

### **24998A001 African Languages and Literature—Workplace Experience**

African Language and Literature—Workplace Experience courses provide students with work experience in a field related to a (non-English) world language or literature. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2022-.)

### **24959A001 African Languages Conversation and Culture**

African Languages Conversation and Culture courses provide students with an introduction to an African language (including, but not limited to: Swahili, Yoruba, Oromo, Hausa, Igbo, Amharic) and the culture(s) of African language-speaking people, placing greater emphasis on speaking and listening skills while deemphasizing writing and reading the language. (Available SY 2022-.)

### **24958A001 African Languages Field Experience**

African Languages Field Experience courses place students in environments in which they interact with native specific African language speakers, typically in settings where the specific African language (including, but not limited to: Swahili, Yoruba, Oromo, Hausa, Igbo, Amharic) is the main language spoken. This course enables students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2022-.)

### **24957A001 African Languages for Native Speakers**

African languages for Native Speakers courses prepare native and heritage speakers to communicate in an African language (including, but not limited to: Swahili, Yoruba, Oromo,

Hausa, Igbo, Amharic) in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. African Languages for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the countries and cultures in which the specific African language is used. (Available SY 2022-.)

### **24952A001 African Languages I**

Designed to introduce students to an African language (including, but not limited to: Swahili, Yoruba, Oromo, Hausa, Igbo, Amharic) and culture, African Languages I course prepare students to communicate authentically in interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics in an African language. They introduce the relationships among the products, practices, and perspectives of the countries and cultures in which the specific African language is used. (Available SY 2022-.)

### **24953A001 African Languages II**

African Languages II courses build upon skills developed in African Languages I, preparing students to communicate authentically in an African language (including, but not limited to: Swahili, Yoruba, Oromo, Hausa, Igbo, Amharic) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. African Languages II courses introduce the relationships among the products, practices, and perspectives of the countries and cultures in which the specific African language is used. (Available SY 2022-.)

### **24954A001 African Languages III**

African Languages III courses prepare students to communicate authentically in an African language (including, but not limited to: Swahili, Yoruba, Oromo, Hausa, Igbo, Amharic) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. African Languages III courses promote students' knowledge of the relationships among the products, practices, and perspectives of the countries and cultures in which the specific African language is used. (Available SY 2022-.)

### **24955A001 African Languages IV**

African Languages IV courses prepare students to communicate authentically in an African Language (including, but not limited to: Swahili, Yoruba, Oromo, Hausa, Igbo, Amharic) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. African Languages IV courses promote students'

understanding of the relationships among the products, practices, and perspectives of the countries and cultures in which the specific African language is used. (Available SY 2022-.)

### **24960A001 African Languages Literature**

African Languages Literature courses prepare students to communicate authentically in an African Language (including, but not limited to: Swahili, Yoruba, Oromo, Hausa, Igbo, Amharic) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in an African language. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of the cultures of the African language-speaking people into literature, and exploring interdisciplinary connections. (Available SY 2022-.)

### **24956A001 African Languages V**

African Languages V courses prepare students to communicate authentically in an African language (including, but not limited to: Swahili, Yoruba, Oromo, Hausa, Igbo, Amharic) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. African Languages V courses promote students' understanding of the relationships among the products, practices, and perspectives of the countries and cultures in which the specific African language is used. (Available SY 2022-.)

### **24999A001 African Languages—Other**

Other African Languages (including, but not limited to: Swahili, Yoruba, Oromo, Hausa, Igbo, Amharic) courses not closely aligned to the existing African Languages courses and may apply to a range of grade levels. (Available SY 2022-.)

### **24900A000 American Indian Language (prior-to-secondary)**

American Indian Language for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in an American Indian Language (e.g., Navajo, Cherokee, or Cree) and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in an American Indian Language by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of the cultures associated with the language of study. (Available SY 2024-.)

### **56820A000 American Indian Language (prior-to-secondary)**

American Indian Language for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in an American Indian Language (e.g., Navajo, Cherokee, or Cree) and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in an American Indian Language by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of the cultures associated with the language of study. (Available SY 2012-2023.)

### **06828A000 American Indian Language Conversation and Culture**

American Indian Language Conversation and Culture courses provide students with an introduction to a American Indian language not otherwise described (e.g., Navajo, Cherokee, and Cree) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while deemphasizing writing and reading the language. (Available SY 2011-2023.)

### **24909A000 American Indian Language Conversation and Culture**

American Indian Language Conversation and Culture courses provide students with an introduction to an American Indian Language (e.g., Navajo, Cherokee, or Cree) and the culture(s) of the people associated with the language of study, placing greater emphasis on speaking and listening skills while deemphasizing writing and reading the language. (Available SY 2024-.)

### **24908A000 American Indian Language Field Experience**

American Indian Language Field Experience courses place students in environments in which they interact with native American Indian Language speakers, typically in settings where the American Indian Language of study is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2024-.)

### **06827A000 American Indian Language Field Experience**

American Indian Language Field Experience courses place students in environments in which they interact with native American Indian Language speakers, typically in settings where the American Indian Language of study is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2011-2023.)

### **06826A000 American Indian Language for Native Speakers**

American Indian Language for Native Speakers courses prepare native and heritage speakers to communicate in an American Indian Language (e.g., Navajo, Cherokee, or Cree) in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. American Indian Language for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures associated with the language of study. (Available SY 2011-2023.)

### **24907A000 American Indian Language for Native Speakers**

American Indian Language for Native Speakers courses prepare native and heritage speakers to communicate in an American Indian Language (e.g., Navajo, Cherokee, or Cree) in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. American Indian Language for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures associated with the language of study. (Available SY 2024-.)

### **24902A000 American Indian Language I**

Designed to introduce students to American Indian Language language and culture, American Indian Language I courses prepare students to communicate authentically in an American Indian Language (e.g., Navajo, Cherokee, or Cree) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of the cultures associated with the language of study. (Available SY 2024-.)

### **06821A000 American Indian Language I**

Designed to introduce students to American Indian Language language and culture, American Indian Language I courses prepare students to communicate authentically in an American Indian Language (e.g., Navajo, Cherokee, or Cree) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of the cultures associated with the language of study. (Available SY 2011-2023.)

### **06822A000 American Indian Language II**

American Indian Language II courses build upon skills developed in American Indian Language I, preparing students to communicate authentically in an American Indian Language (e.g., Navajo, Cherokee, or Cree) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. American Indian Language II courses introduce the relationships among the products, practices, and perspectives of the cultures associated with the language of study. (Available SY 2011-2023.)

### **24903A000 American Indian Language II**

American Indian Language II courses build upon skills developed in American Indian Language I, preparing students to communicate authentically in an American Indian Language (e.g., Navajo, Cherokee, or Cree) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. American Indian Language II courses introduce the relationships among the products, practices, and perspectives of the cultures associated with the language of study. (Available SY 2024-.)

### **24904A000 American Indian Language III**

American Indian Language III courses prepare students to communicate authentically in an American Indian Language (e.g., Navajo, Cherokee, or Cree) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics. These courses expand students' knowledge of relationships among the products, practices, and perspectives of the cultures associated with the language of study. (Available SY 2024-.)

### **06823A000 American Indian Language III**

American Indian Language III courses prepare students to communicate authentically in an American Indian Language (e.g., Navajo, Cherokee, or Cree) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics. These courses expand students' knowledge of relationships among the products, practices, and perspectives of the cultures associated with the language of study. (Available SY 2011-2023.)

### **24901A000 American Indian Language Immersion (prior-to-secondary)**

American Indian Language Immersion (prior-to-secondary) courses engage students in developmentally appropriate activities to acquire literacy in an American Indian Language (e.g., Navajo, Cherokee, or Cree) and grade-specific content using that American Indian Language as the language of instruction. American Indian Language Immersion courses prepare students to

communicate authentically in an American Indian Language by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information about standards-based academic content and incorporate the relationships among the products, practices, and perspectives of the cultures associated with the language of study. (Available SY 2021-.)

#### **06824A000 American Indian Language IV**

American Indian Language IV courses prepare students to communicate authentically in an American Indian Language (e.g., Navajo, Cherokee, or Cree) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. American Indian Language IV courses promote students' understanding of the relationships among the products, practices, and perspectives of the cultures associated with the language of study. (Available SY 2011-2023.)

#### **24905A000 American Indian Language IV**

American Indian Language IV courses prepare students to communicate authentically in an American Indian Language (e.g., Navajo, Cherokee, or Cree) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. American Indian Language IV courses promote students' understanding of the relationships among the products, practices, and perspectives of the cultures associated with the language of study. (Available SY 2024-.)

#### **24906A000 American Indian Language V**

American Indian Language V courses prepare students to communicate authentically in an American Indian Language (e.g., Navajo, Cherokee, or Cree) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. American Indian Language V courses promote students' understanding of the relationships among the products, practices, and perspectives of of the cultures associated with the language of study. (Available SY 2024-.)

#### **06825A000 American Indian Language V**

American Indian Language V courses prepare students to communicate authentically in an American Indian Language (e.g., Navajo, Cherokee, or Cree) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. American Indian Language V courses promote students' understanding of the

relationships among the products, practices, and perspectives of of the cultures associated with the language of study. (Available SY 2011-2023.)

### **24949A000 American Indian Language—Other**

Other American Indian language courses. (Available SY 2024-.)

### **06839A000 American Indian Language—Other**

Other American Indian language courses. (Available SY 2011-2023.)

### **24910A000 American Indian Literature**

American Indian Language Literature courses prepare students to communicate authentically in an American Indian Language (e.g., Navajo, Cherokee, or Cree) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in the American Indian Language of study. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of American Indian cultures into literature, and exploring interdisciplinary connections. (Available SY 2024-.)

### **06829A000 American Indian Literature**

American Indian Language Literature courses prepare students to communicate authentically in an American Indian Language (e.g., Navajo, Cherokee, or Cree) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in the American Indian Language of study. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of American Indian cultures into literature, and exploring interdisciplinary connections. (Available SY 2011-2023.)

### **24850A000 American Sign Language (prior-to-secondary)**

American Sign Language for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in American Sign Language and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information on concrete topics. These courses introduce the relationship among the practices, perspectives, and cultures of deaf people and communities. (Available SY 2024-.)



### **56800A000 American Sign Language (prior-to-secondary)**

American Sign Language for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in American Sign Language and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information on concrete topics. These courses introduce the relationship among the practices, perspectives, and cultures of deaf people and communities. (Available SY 2012-2023.)

### **24858A000 American Sign Language Field Experience**

American Sign Language Field Experience courses place students in environments in which they interact with native American Sign Language speakers, typically in settings where American Sign Language is the main language spoken. These courses enable students to strengthen their skills in exchanging (signing and reading/viewing), interpreting, and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2021-.)

### **24852A000 American Sign Language I**

Designed to introduce students to American Sign Language language and culture, American Sign Language I courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information on a variety of topics. They introduce the relationship among the practices, perspectives, and cultures of deaf people and communities. (Available SY 2024-.)

### **06801A000 American Sign Language I**

Designed to introduce students to American Sign Language language and culture, American Sign Language I courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information on a variety of topics. They introduce the relationship among the practices, perspectives, and cultures of deaf people and communities. (Available SY 2011-2023.)

### **06802A000 American Sign Language II**

American Sign Language II courses build upon skills developed in American Sign Language I, preparing students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information on concrete topics. American Sign Language II courses introduce the relationship among the practices, perspectives, and cultures of deaf people and communities. (Available SY 2011-2023.)

### **24853A000 American Sign Language II**

American Sign Language II courses build upon skills developed in American Sign Language I, preparing students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information on concrete topics. American Sign Language II courses introduce the relationship among the practices, perspectives, and cultures of deaf people and communities. (Available SY 2024-.)

### **24854A000 American Sign Language III**

American Sign Language III courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the practices, perspectives, and cultures of deaf people and communities. (Available SY 2024-.)

### **06803A000 American Sign Language III**

American Sign Language III courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the practices, perspectives, and cultures of deaf people and communities. (Available SY 2011-2023.)

### **24851A000 American Sign Language Immersion (prior-to-secondary)**

American Sign Language Immersion (prior-to-secondary) courses engage students in developmentally appropriate activities to acquire literacy in American Sign Language and grade-specific content using American Sign Language as the language of instruction. American Sign Language Immersion courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information about standards-based academic content and incorporate the relationships among the practices, perspectives, and cultures of deaf people and communities. (Available SY 2021-.)

### **06804A000 American Sign Language IV**

American Sign Language IV courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. American Sign Language IV courses promote students' understanding of

the relationships among the practices, perspectives, and cultures of deaf people and communities. (Available SY 2011-2023.)

#### **24855A000 American Sign Language IV**

American Sign Language IV courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. American Sign Language IV courses promote students' understanding of the relationships among the practices, perspectives, and cultures of deaf people and communities. (Available SY 2024-.)

#### **24856A000 American Sign Language V**

American Sign Language V courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. American Sign Language V courses promote students' understanding of the relationships among the practices, perspectives, and cultures of deaf people and communities. (Available SY 2024-.)

#### **06805A000 American Sign Language V**

American Sign Language V courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. American Sign Language V courses promote students' understanding of the relationships among the practices, perspectives, and cultures of deaf people and communities. (Available SY 2011-2023.)

#### **24899A000 American Sign Language—Other**

Other American Sign Language courses. (Available SY 2024-.)

#### **06819A000 American Sign Language—Other**

Other American Sign Language courses. (Available SY 2011-2023.)

**24414A000 AP Chinese Languages: Language and Culture****AP Course**

Designed by the College Board to parallel fourth semester college-level courses in Mandarin Chinese language, AP Chinese Languages: Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Chinese languages, both orally and in writing. These courses also help students understand and interpret written and spoken Chinese languages. In addition, students explore the culture of Chinese language-speaking people in historical and contemporary contexts. These courses may be used for any Chinese language, including Mandarin and Cantonese. (Available SY 2015-.)

**24114A000 AP French Language and Culture****AP Course**

Designed by the College Board to parallel third-year college-level courses in French language, AP French Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in French, both orally and in writing. These courses also help students understand and interpret written and spoken French. In addition, students explore the culture of French-speaking people in historical and contemporary contexts. (Available SY 2011-.)

**06133A000 AP French Literature****AP Course**

Designed to parallel college-level Introduction to French Literature courses (offered at a third-year level), AP French Literature courses cover representative works of French literature and build students' French language proficiency so that they are able to read and understand moderately difficult prose and express critical opinions and analyses in correct oral and written French. The study of literary components (such as character, theme, structure, imagery, style, tone, and so on) is an important focus of AP French Literature. (Available SY 2011-2020.)

**24264A000 AP German Language and Culture****AP Course**

Designed by the College Board to parallel third-year college-level courses in German language, AP German Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in German, both orally and in writing. These courses also help students understand and interpret written and spoken German. In addition, students explore the culture of German-speaking people in historical and contemporary contexts. (Available SY 2011-.)

**24164A000 AP Italian Language and Culture****AP Course**

Designed by the College Board to parallel third-year college-level courses in Italian language, AP Italian Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Italian, both orally and in writing.

These courses also help students understand and interpret written and spoken Italian. In addition, students explore the culture of Italian-speaking people in historical and contemporary contexts. (Available SY 2015-.)

**24464A000 AP Japanese Language and Culture**

**AP Course**

Designed by the College Board to parallel third-year college-level courses in Japanese language, AP Japanese Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Japanese, both orally and in writing. These courses also help students understand and interpret written and spoken Japanese. In addition, students explore the culture of Japanese-speaking people in historical and contemporary contexts. (Available SY 2015-.)

**24355A000 AP Latin (Virgil, Catullus and Horace)**

**AP Course**

Designed to parallel advanced college-level courses in Latin studies, AP Latin courses build upon and increase knowledge of Latin, enabling students to read the language with comprehension, to accurately translate Latin into English, and to appreciate the stylistic literary techniques used by the authors. AP Latin courses also include study of the political, social, and cultural background of the literary works and their authors, as well as their influence on later literature. (Available SY 2011-.)

**24064A000 AP Spanish Language and Culture**

**AP Course**

Designed by the College Board to parallel third-year college-level courses in Spanish language, AP Spanish Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Spanish, both orally and in writing. These courses also help students understand and interpret written and spoken Spanish. In addition, students explore the culture of Spanish-speaking people in historical and contemporary contexts. (Available SY 2011-.)

**24065A000 AP Spanish Literature and Culture**

**AP Course**

Designed by the College Board to parallel college-level Introduction to Hispanic Literature courses, AP Spanish Literature and Culture courses cover representative works from the literatures of Spain and Spanish America, encompassing all genres. The courses build students' Spanish language proficiency, with special attention given to critical opinions and literary analyses in oral and written Spanish. Students are encouraged to relate the texts to their cultural contexts. (Available SY 2011-.)

**24750A000 Arabic (prior-to-secondary)**

Arabic for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Arabic and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Arabic-speaking cultures. (Available SY 2024-.)

**56720A000 Arabic (prior-to-secondary)**

Arabic for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Arabic and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Arabic-speaking cultures. (Available SY 2012-2023.)

**06728A000 Arabic Conversation and Culture**

Arabic Conversation and Culture courses provide students with an introduction to the Arabic language and the culture(s) of Arabic-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2023.)

**24759A000 Arabic Conversation and Culture**

Arabic Conversation and Culture courses provide students with an introduction to the Arabic language and the culture(s) of Arabic-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2024-.)

**24758A000 Arabic Field Experience**

Arabic Field Experience courses place students in environments in which they interact with native Arabic speakers, typically in settings where Arabic is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2024-.)

### **06727A000 Arabic Field Experience**

Arabic Field Experience courses place students in environments in which they interact with native Arabic speakers, typically in settings where Arabic is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2011-2023.)

### **06726A000 Arabic for Native Speakers**

Arabic for Native Speakers courses prepare native and heritage speakers to communicate in Arabic in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Arabic for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Arabic-speaking world. (Available SY 2011-2023.)

### **24757A000 Arabic for Native Speakers**

Arabic for Native Speakers courses prepare native and heritage speakers to communicate in Arabic in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Arabic for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Arabic-speaking world. (Available SY 2024-.)

### **24752A000 Arabic I**

Designed to introduce students to Arabic language and culture, Arabic I courses prepare students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Arabic-speaking cultures. (Available SY 2024-.)

### **06721A000 Arabic I**

Designed to introduce students to Arabic language and culture, Arabic I courses prepare students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a

variety of topics. They introduce the relationships among the products, practices, and perspectives of Arabic-speaking cultures. (Available SY 2011-2023.)

### **06722A000 Arabic II**

Arabic II courses build upon skills developed in Arabic I, preparing students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Arabic II courses introduce the relationships among the products, practices, and perspectives of Arabic-speaking cultures. (Available SY 2011-2023.)

### **24753A000 Arabic II**

Arabic II courses build upon skills developed in Arabic I, preparing students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Arabic II courses introduce the relationships among the products, practices, and perspectives of Arabic-speaking cultures. (Available SY 2024-.)

### **24754A000 Arabic III**

Arabic III courses prepare students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Arabic-speaking countries and cultures. (Available SY 2024-.)

### **06723A000 Arabic III**

Arabic III courses prepare students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Arabic-speaking countries and cultures. (Available SY 2011-2023.)

### **24751A000 Arabic Immersion (prior-to-secondary)**

Arabic Immersion (prior-to-secondary) courses engage students in developmentally appropriate activities to acquire literacy in Arabic and grade-specific content using Arabic as the language of



instruction. Arabic Immersion courses prepare students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information about standards-based academic content and incorporate the relationships among the products, practices, and perspectives of Arabic-speaking cultures. (Available SY 2021-.)

#### **06724A000 Arabic IV**

Arabic IV courses prepare students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Arabic IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Arabic-speaking countries and cultures. (Available SY 2011-2023.)

#### **24755A000 Arabic IV**

Arabic IV courses prepare students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Arabic IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Arabic-speaking countries and cultures. (Available SY 2024-.)

#### **24760A000 Arabic Literature**

Arabic Literature courses prepare students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Arabic. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Arabic cultures into literature, and exploring interdisciplinary connections. (Available SY 2024-.)

#### **06729A000 Arabic Literature**

Arabic Literature courses prepare students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Arabic. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Arabic cultures into literature, and exploring interdisciplinary connections. (Available SY 2011-2023.)

### **24756A000 Arabic V**

Arabic V courses prepare students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Arabic V courses promote students' understanding of the relationships among the products, practices, and perspectives of Arabic-speaking countries and cultures. (Available SY 2024-.)

### **06725A000 Arabic V**

Arabic V courses prepare students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Arabic V courses promote students' understanding of the relationships among the products, practices, and perspectives of Arabic-speaking countries and cultures. (Available SY 2011-2023.)

### **24799A000 Arabic—Other**

Other Arabic courses (Available SY 2021-.)

### **24959A002 Assyrian Conversation and Culture**

Assyrian Conversation and Culture courses provide students with an introduction to the Assyrian language (synonymous with Aramaic, Syriac, Chaldean) and the culture(s) of Assyrian-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2022-.)

### **24958A002 Assyrian Field Experience**

Assyrian Field Experience courses place students in environments in which they interact with native Assyrian speakers, typically in settings where Assyrian (synonymous with Aramaic, Syriac, Chaldean) is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2022-.)

### **24957A002 Assyrian for Native Speakers**

Assyrian for Native Speakers courses prepare native and heritage speakers to communicate in Assyrian (synonymous with Aramaic, Syriac, Chaldean) in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Assyrian or Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Assyrian-speaking world. (Available SY 2022-.)

### **24952A002 Assyrian I**

Designed to introduce students to Assyrian language (synonymous with Aramaic, Syriac, Chaldean) and culture, Assyrian I courses prepare students to communicate authentically in Assyrian interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Assyrian-speaking cultures. (Available SY 2022-.)

### **24953A002 Assyrian II**

Assyrian II courses build upon skills developed in Assyrian I, preparing students to communicate authentically in Assyrian (synonymous with Aramaic, Syriac, Chaldean) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Assyrian II courses introduce the relationships among the products, practices, and perspectives of Assyrian -speaking cultures. (Available SY 2022-.)

### **24954A002 Assyrian III**

Assyrian III courses prepare students to communicate authentically in Assyrian (synonymous with Aramaic, Syriac, Chaldean) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Assyrian-speaking countries and cultures. (Available SY 2022-.)

### **24955A002 Assyrian IV**

Assyrian IV courses prepare students to communicate authentically in Assyrian (synonymous with Aramaic, Syriac, Chaldean) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Assyrian IV courses

promote students' understanding of the relationships among the products, practices, and perspectives of Assyrian-speaking countries and cultures. (Available SY 2022-.)

### **24997A002 Assyrian Language and Literature—Independent Study**

Assyrian Language (synonymous with Aramaic, Syriac, Chaldean) and Literature—Independent Study courses, often conducted with instructors as mentors, enable students to explore (non-English) world language-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular language, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2022-.)

### **24998A002 Assyrian Language and Literature—Workplace Experience**

Assyrian Language and Literature—Workplace Experience courses provide students with work experience in a field related to a (non-English) world language or literature. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2022-.)

### **24039A002 Assyrian Language—General**

Assyrian Language (synonymous with Aramaic, Syriac, Chaldean)—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...'). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., World Language, early childhood education through grade 8).] (Available SY 2022-.)

### **24960A002 Assyrian Literature**

Assyrian Literature courses prepare students to communicate authentically in Assyrian (synonymous with Aramaic, Syriac, Chaldean) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Assyrian. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Assyrian cultures into literature, and exploring interdisciplinary connections. (Available SY 2022-.)

### **24956A002 Assyrian V**

Assyrian V courses prepare students to communicate authentically in Assyrian (synonymous with Aramaic, Syriac, Chaldean) by interpreting (reading, listening, viewing), exchanging (speaking

and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Assyrian V courses promote students' understanding of the relationships among the products, practices, and perspectives of Assyrian-speaking countries and cultures. (Available SY 2022-.)

### **24999A002 Assyrian—Other**

Other Assyrian (synonymous with Aramaic, Syriac, Chaldean) courses (Available SY 2022-.)

### **06648A000 Balto-Slavic Language Conversation and Culture**

Balto-Slavic Language Conversation and Culture courses provide students with an introduction to a Balto-Slavic language not otherwise described (e.g., Polish, Armenian, Serbo-Croatian, and Lithuanian) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2020.)

### **06647A000 Balto-Slavic Language Field Experience**

Balto-Slavic Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where a Balto-Slavic language (e.g., Polish, Armenian, Serbo-Croatian, and Lithuanian) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally. (Available SY 2011-2020.)

### **06646A000 Balto-Slavic Language for Native Speakers**

Balto-Slavic Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue not otherwise described (e.g., Polish, Armenian, Serbo-Croatian, and Lithuanian). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Balto-Slavic Language for Native Speakers courses often move faster than do regular Balto-Slavic Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills. (Available SY 2011-2020.)

### **06641A000 Balto-Slavic Language I**

Designed to introduce students to a Balto-Slavic language not otherwise described (e.g., Polish, Armenian, Serbo-Croatian, and Lithuanian) and culture, Balto-Slavic Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students

can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. (Available SY 2011-2020.)

### **06642A000 Balto-Slavic Language II**

Balto-Slavic Language II courses build upon skills developed in Balto-Slavic Language I, extending students' ability to understand and express themselves in a Balto-Slavic language not otherwise described (e.g., Polish, Armenian, Serbo-Croatian, and Lithuanian) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s). (Available SY 2011-2020.)

### **06643A000 Balto-Slavic Language III**

Balto-Slavic Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. (Available SY 2011-2020.)

### **06644A000 Balto-Slavic Language IV**

Balto-Slavic Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Balto-Slavic Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. (Available SY 2011-2020.)

### **06645A000 Balto-Slavic Language V**

Balto-Slavic Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future). (Available SY 2011-2020.)

### **06659A000 Balto-Slavic Language—Other**

Other Balto-Slavic language courses. (Available SY 2011-2020.)

### **06649A000 Balto-Slavic Literature**

Balto-Slavic Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in a Balto-Slavic language not otherwise described (e.g., Polish, Armenian, Serbo-Croatian, and Lithuanian). (Available SY 2011-2020.)

### **24041A000 Braille**

Braille courses prepare students to read Braille. These courses may include varying formats of Braille and are available to vision-impaired and sighted students. (Available SY 2021-.)

### **06268A000 Celtic Language Conversation and Culture**

Celtic Language Conversation and Culture courses provide students with an introduction to a Celtic language (e.g., Gaelic or Welsh) and the culture(s) of Celtic people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2020.)

### **06267A000 Celtic Language Field Experience**

Celtic Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where a Celtic language (e.g., Gaelic or Welsh) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally. (Available SY 2011-2020.)

### **06266A000 Celtic Language for Native Speakers**

Celtic Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Celtic Language for Native Speakers courses often move faster than do regular Celtic Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills. (Available SY 2011-2020.)

### **06261A000 Celtic Language I**

Designed to introduce students to a Celtic language (e.g., Gaelic or Welsh) and culture, Celtic Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Celtic culture is introduced through the art, literature, customs, and history of Celtic people. (Available SY 2011-2020.)

### **06262A000 Celtic Language II**

Celtic Language II courses build upon skills developed in Celtic Language I, extending students' ability to understand and express themselves in a Celtic language (e.g., Gaelic or Welsh) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Celtic people to deepen their understanding of the culture(s). (Available SY 2011-2020.)

### **06263A000 Celtic Language III**

Celtic Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. (Available SY 2011-2020.)

### **06264A000 Celtic Language IV**

Celtic Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Celtic Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. (Available SY 2011-2020.)

### **06265A000 Celtic Language V**

Celtic Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future). (Available SY 2011-2020.)



### **06279A000 Celtic Language—Other**

Other Celtic Language courses. (Available SY 2011-2020.)

### **06269A000 Celtic Literature**

Celtic Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in a Celtic language (e.g., Gaelic or Welsh). (Available SY 2011-2020.)

### **06408A000 Chinese Conversation and Culture**

Chinese Conversation and Culture courses provide students with an introduction to the Chinese language and the culture(s) of Chinese-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2023.)

### **06407A000 Chinese Field Experience**

Chinese Field Experience courses place students in environments in which they interact with native Chinese speakers, typically in settings where Chinese is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2011-2023.)

### **06406A000 Chinese for Native Speakers**

Chinese for Native Speakers courses prepare native and heritage speakers to communicate in Chinese in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Chinese for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Chinese-speaking world. (Available SY 2011-2023.)

### **56400A000 Chinese for Young Learners (prior-to-secondary)**

Chinese for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Chinese and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Chinese by interpreting (reading, listening, viewing),

exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Chinese-speaking cultures. (Available SY 2012-2023.)

### **06401A000 Chinese I**

Designed to introduce students to Chinese language and culture, Chinese I courses prepare students to communicate authentically in Chinese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Chinese-speaking cultures. (Available SY 2011-2023.)

### **06402A000 Chinese II**

Chinese II courses build upon skills developed in Chinese I, preparing students to communicate authentically in Chinese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Chinese II courses introduce the relationships among the products, practices, and perspectives of Chinese-speaking cultures. (Available SY 2011-2023.)

### **06403A000 Chinese III**

Chinese III courses prepare students to communicate authentically in Chinese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Chinese-speaking countries and cultures. (Available SY 2011-2023.)

### **06404A000 Chinese IV**

Chinese IV courses prepare students to communicate authentically in Chinese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Chinese IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Chinese-speaking countries and cultures. (Available SY 2011-2023.)

### **24409A000 Chinese Languages Conversation and Culture**

Chinese Languages Conversation and Culture courses provide students with an introduction to the Chinese languages and the culture(s) of Chinese language-speaking people, placing greater emphasis on speaking and listening skills while deemphasizing writing and reading the language. These courses may be used for any Chinese language, including Mandarin and Cantonese. (Available SY 2024-.)

### **24408A000 Chinese Languages Field Experience**

Chinese Languages Field Experience courses place students in environments in which they interact with native Chinese languages speakers, typically in settings where a Chinese language is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. These courses may be used for any Chinese language, including Mandarin and Cantonese. (Available SY 2024-.)

### **24407A000 Chinese Languages for Native Speakers**

Chinese Languages for Native Speakers courses prepare native and heritage speakers to communicate in Chinese languages in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Chinese Languages for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Chinese language-speaking world. These courses may be used for any Chinese language, including Mandarin and Cantonese. (Available SY 2024-.)

### **24400A000 Chinese Languages for Young Learners (prior-to-secondary)**

Chinese Languages for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Chinese languages and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Chinese languages by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Chinese language-speaking cultures. These courses may be used for any Chinese language, including Mandarin and Cantonese. (Available SY 2024-.)

### **24402A000 Chinese Languages I**

Designed to introduce students to Chinese languages and culture, Chinese Languages I courses prepare students to communicate authentically in Chinese languages by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Chinese language-speaking cultures. These courses may be used for any Chinese language, including Mandarin and Cantonese. (Available SY 2024-.)

### **24403A000 Chinese Languages II**

Chinese Languages II courses build upon skills developed in Chinese Languages I, preparing students to communicate authentically in Chinese languages by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Chinese Languages II courses introduce the relationships among the products, practices, and perspectives of Chinese language-speaking cultures. These courses may be used for any Chinese language, including Mandarin and Cantonese. (Available SY 2024-.)

### **24404A000 Chinese Languages III**

Chinese Languages III courses prepare students to communicate authentically in Chinese languages by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Chinese language-speaking countries and cultures. These courses may be used for any Chinese language, including Mandarin and Cantonese. (Available SY 2024-.)

### **24401A000 Chinese Languages Immersion (prior-to-secondary)**

Chinese Languages Immersion (prior-to-secondary) courses engage students in developmentally appropriate activities to acquire literacy in Chinese languages and grade-specific content using Chinese languages as the language(s) of instruction. Chinese Languages Immersion courses prepare students to communicate authentically in Chinese languages by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information about standards-based academic content and incorporate the relationships among the products, practices, and perspectives of Chinese language-speaking cultures. These courses may be used for any Chinese language, including Mandarin and Cantonese. (Available SY 2021-.)

### **24405A000 Chinese Languages IV**

Chinese Languages IV courses prepare students to communicate authentically in Chinese languages by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Chinese Languages IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Chinese language-speaking countries and cultures. These courses may be used for any Chinese language, including Mandarin and Cantonese. (Available SY 2024-.)

### **24410A000 Chinese Languages Literature**

Chinese Languages Literature courses prepare students to communicate authentically in Chinese languages by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Chinese languages. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Chinese cultures into literature, and exploring interdisciplinary connections. These courses may be used for any Chinese language, including Mandarin and Cantonese. (Available SY 2024-.)

### **24406A000 Chinese Languages V**

Chinese Languages V courses prepare students to communicate authentically in Chinese languages by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Chinese Languages V courses promote students' understanding of the relationships among the products, practices, and perspectives of Chinese language-speaking countries and cultures. These courses may be used for any Chinese language, including Mandarin and Cantonese. (Available SY 2024-.)

### **06409A000 Chinese Literature**

Chinese Literature courses prepare students to communicate authentically in Chinese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Chinese. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Chinese cultures into literature, and exploring interdisciplinary connections. (Available SY 2011-2023.)

### **06405A000 Chinese V**

Chinese V courses prepare students to communicate authentically in Chinese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and

presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Chinese V courses promote students' understanding of the relationships among the products, practices, and perspectives of Chinese-speaking countries and cultures. (Available SY 2011-2023.)

#### **24449A000 Chinese—Other**

Other Chinese courses (Available SY 2021-.)

#### **24370A000 Classical Greek for Young Learners (prior-to-secondary)**

Classical Greek for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Classical Greek and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Classical Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Classical Greek-speaking cultures. (Available SY 2024-.)

#### **56320A000 Classical Greek for Young Learners (prior-to-secondary)**

Classical Greek for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Classical Greek and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Classical Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Classical Greek-speaking cultures. (Available SY 2012-2023.)

#### **24372A000 Classical Greek I**

Designed to introduce students to Classical Greek language and culture, Classical Greek I courses prepare students to communicate authentically in Classical Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Classical Greek-speaking cultures. (Available SY 2024-.)

### **06321A000 Classical Greek I**

Designed to introduce students to Classical Greek language and culture, Classical Greek I courses prepare students to communicate authentically in Classical Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Classical Greek-speaking cultures. (Available SY 2011-2023.)

### **06322A000 Classical Greek II**

Classical Greek II courses build upon skills developed in Classical Greek I, preparing students to communicate authentically in Classical Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Classical Greek II courses introduce the relationships among the products, practices, and perspectives of Classical Greek-speaking cultures. (Available SY 2011-2023.)

### **24373A000 Classical Greek II**

Classical Greek II courses build upon skills developed in Classical Greek I, preparing students to communicate authentically in Classical Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Classical Greek II courses introduce the relationships among the products, practices, and perspectives of Classical Greek-speaking cultures. (Available SY 2024-.)

### **24374A000 Classical Greek III**

Classical Greek III courses prepare students to communicate authentically in Classical Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Classical Greek-speaking countries and cultures. (Available SY 2024-.)

### **06323A000 Classical Greek III**

Classical Greek III courses prepare students to communicate authentically in Classical Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of

relationships among the products, practices, and perspectives of Classical Greek-speaking countries and cultures. (Available SY 2011-2023.)

#### **06324A000 Classical Greek IV**

Classical Greek IV courses prepare students to communicate authentically in Classical Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Classical Greek IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Classical Greek-speaking countries and cultures. (Available SY 2011-2023.)

#### **24375A000 Classical Greek IV**

Classical Greek IV courses prepare students to communicate authentically in Classical Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Classical Greek IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Classical Greek-speaking countries and cultures. (Available SY 2024-.)

#### **24376A000 Classical Greek V**

Classical Greek V courses prepare students to communicate authentically in Classical Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Classical Greek V courses promote students' understanding of the relationships among the products, practices, and perspectives of Classical Greek-speaking countries and cultures. (Available SY 2024-.)

#### **06325A000 Classical Greek V**

Classical Greek V courses prepare students to communicate authentically in Classical Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Classical Greek V courses promote students' understanding of the relationships among the products, practices, and perspectives of Classical Greek-speaking countries and cultures. (Available SY 2011-2023.)



### **24389A000 Classical Greek—Other**

Other Classical Greek courses. (Available SY 2021-.)

### **24390A000 Classical Hebrew for Young Learners (prior-to-secondary)**

Classical Hebrew for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Classical Hebrew and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Classical Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Classical Hebrew-speaking cultures. (Available SY 2021-.)

### **24391A000 Classical Hebrew I**

Designed to introduce students to Classical Hebrew language and culture, Classical Hebrew I courses prepare students to communicate authentically in Classical Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Classical Hebrew-speaking cultures. (Available SY 2021-.)

### **24392A000 Classical Hebrew II**

Classical Hebrew II courses build upon skills developed in Classical Hebrew I, preparing students to communicate authentically in Classical Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Classical Hebrew II courses introduce the relationships among the products, practices, and perspectives of Classical Hebrew-speaking cultures. (Available SY 2021-.)

### **24393A000 Classical Hebrew III**

Classical Hebrew III courses prepare students to communicate authentically in Classical Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Classical Hebrew-speaking countries and cultures. (Available SY 2021-.)

### **24394A000 Classical Hebrew IV**

Classical Hebrew IV courses prepare students to communicate authentically in Classical Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Classical Hebrew IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Classical Hebrew-speaking countries and cultures. (Available SY 2021-.)

### **24395A000 Classical Hebrew V**

Classical Hebrew V courses prepare students to communicate authentically in Classical Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Classical Hebrew V courses promote students' understanding of the relationships among the products, practices, and perspectives of Classical Hebrew-speaking countries and cultures. (Available SY 2021-.)

### **24399A000 Classical Hebrew—Other**

Other Classical Hebrew courses. (Available SY 2021-.)

### **06359A000 Classical Languages—Other**

Other Classical Language courses. (Available SY 2011-2020.)

### **06488A000 East Asian Language Conversation and Culture**

East Asian Language Conversation and Culture courses provide students with an introduction to an East Asian language not otherwise described (e.g., Tibetan and Mongolian) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2020.)

### **06487A000 East Asian Language Field Experience**

East Asian Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where an East Asian language (e.g., Tibetan and Mongolian) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally. (Available SY 2011-2020.)

### **06486A000 East Asian Language for Native Speakers**

East Asian Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue not otherwise described (e.g., Tibetan and Mongolian). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), East Asian Language for Native Speakers courses often move faster than do regular East Asian Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills. (Available SY 2011-2020.)

### **06481A000 East Asian Language I**

Designed to introduce students to an East Asian language not otherwise described (e.g., Tibetan and Mongolian) and culture, East Asian Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. (Available SY 2011-2020.)

### **06482A000 East Asian Language II**

East Asian Language II courses build upon skills developed in East Asian Language I, extending students' ability to understand and express themselves in an East Asian language not otherwise described (e.g., Tibetan and Mongolian) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s). (Available SY 2011-2020.)

### **06483A000 East Asian Language III**

East Asian Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. (Available SY 2011-2020.)

### **06484A000 East Asian Language IV**

East Asian Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the East Asian Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension

to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. (Available SY 2011-2020.)

### **06485A000 East Asian Language V**

East Asian Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future). (Available SY 2011-2020.)

### **06499A000 East Asian Language—Other**

Other East Asian Language courses. (Available SY 2011-2020.)

### **06489A000 East Asian Literature**

East Asian Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in an East Asian language not otherwise described (e.g., Tibetan and Mongolian). (Available SY 2011-2020.)

### **24040A000 Exploration of Multiple World Languages**

Designed to introduce students to two or more languages in a single course of study, Exploration of Multiple World Languages courses provide students with general information about the spoken and written languages and introduce the relationships among the products, practices, and perspectives of the associated cultures. (Available SY 2021-.)

### **24600A000 Filipino (prior-to-secondary)**

Filipino for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Filipino and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Filipino by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Filipino-speaking cultures. (Available SY 2024-.)

### **56520A000 Filipino (prior-to-secondary)**

Filipino for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Filipino and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Filipino by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Filipino-speaking cultures. (Available SY 2012-2023.)

### **06528A000 Filipino Conversation and Culture**

Filipino Conversation and Culture courses provide students with an introduction to the Filipino language and the culture(s) of the people of the Philippines, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2023.)

### **24609A000 Filipino Conversation and Culture**

Filipino Conversation and Culture courses provide students with an introduction to the Filipino language and the culture(s) of Filipino-speaking people, placing greater emphasis on speaking and listening skills while deemphasizing writing and reading the language. (Available SY 2024-.)

### **24608A000 Filipino Field Experience**

Filipino Field Experience courses place students in environments in which they interact with native Filipino speakers, typically in settings where Filipino is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2024-.)

### **06527A000 Filipino Field Experience**

Filipino Field Experience courses place students in environments in which they interact with native Filipino speakers, typically in settings where Filipino is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2011-2023.)

### **06526A000 Filipino for Native Speakers**

Filipino for Native Speakers courses prepare native and heritage speakers to communicate in Filipino in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Filipino for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Filipino-speaking world. (Available SY 2011-2023.)

### **24607A000 Filipino for Native Speakers**

Filipino for Native Speakers courses prepare native and heritage speakers to communicate in Filipino in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Filipino for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Filipino-speaking world. (Available SY 2024-.)

### **24602A000 Filipino I**

Designed to introduce students to Filipino language and culture, Filipino I courses prepare students to communicate authentically in Filipino by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Filipino-speaking cultures. (Available SY 2024-.)

### **06521A000 Filipino I**

Designed to introduce students to Filipino language and culture, Filipino I courses prepare students to communicate authentically in Filipino by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Filipino-speaking cultures. (Available SY 2011-2023.)

### **06522A000 Filipino II**

Filipino II courses build upon skills developed in Filipino I, preparing students to communicate authentically in Filipino by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics.

Filipino II courses introduce the relationships among the products, practices, and perspectives of Filipino-speaking cultures. (Available SY 2011-2023.)

### **24603A000 Filipino II**

Filipino II courses build upon skills developed in Filipino I, preparing students to communicate authentically in Filipino by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Filipino II courses introduce the relationships among the products, practices, and perspectives of Filipino-speaking cultures. (Available SY 2024-.)

### **24604A000 Filipino III**

Filipino III courses prepare students to communicate authentically in Filipino by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Filipino-speaking countries and cultures. (Available SY 2024-.)

### **06523A000 Filipino III**

Filipino III courses prepare students to communicate authentically in Filipino by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Filipino-speaking countries and cultures. (Available SY 2011-2023.)

### **24601A000 Filipino Immersion (prior-to-secondary)**

Filipino Immersion (prior-to-secondary) courses engage students in developmentally appropriate activities to acquire literacy in Filipino and grade-specific content using Filipino as the language of instruction. Filipino Immersion courses prepare students to communicate authentically in Filipino by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information about standards-based academic content and incorporate the relationships among the products, practices, and perspectives of Filipino-speaking cultures. (Available SY 2021-.)

### **06524A000 Filipino IV**

Filipino IV courses prepare students to communicate authentically in Filipino by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Filipino IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Filipino-speaking countries and cultures. (Available SY 2011-2023.)

### **24605A000 Filipino IV**

Filipino IV courses prepare students to communicate authentically in Filipino by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Filipino IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Filipino-speaking countries and cultures. (Available SY 2024-.)

### **24610A000 Filipino Literature**

Filipino Literature courses prepare students to communicate authentically in Filipino by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Filipino. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Filipino cultures into literature, and exploring interdisciplinary connections. (Available SY 2024-.)

### **06529A000 Filipino Literature**

Filipino Literature courses prepare students to communicate authentically in Filipino by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Filipino. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Filipino cultures into literature, and exploring interdisciplinary connections. (Available SY 2011-2023.)

### **24606A000 Filipino V**

Filipino V courses prepare students to communicate authentically in Filipino by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Filipino V courses promote students' understanding of the



relationships among the products, practices, and perspectives of Filipino-speaking countries and cultures. (Available SY 2024-.)

### **06525A000 Filipino V**

Filipino V courses prepare students to communicate authentically in Filipino by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Filipino V courses promote students' understanding of the relationships among the products, practices, and perspectives of Filipino-speaking countries and cultures. (Available SY 2011-2023.)

### **24649A000 Filipino—Other**

Other Filipino courses (Available SY 2021-.)

### **56028A000 Foreign Language (early childhood education)**

Foreign Language (early childhood education) courses engage students in developmentally appropriate activities to acquire the language arts skills (listening, speaking, reading, and writing) necessary to communicate in a foreign language. Course content typically includes some introduction to other cultures. Specific content depends upon state standards for early childhood education. (Available SY 2012-2020.)

### **56031A000 Foreign Language (grade 1)**

Foreign Language (grade 1) courses engage students in language arts skills (listening, speaking, reading, and writing) necessary to communicate in a foreign language. These courses may emphasize recognition of written words, vocabulary, speech patterns, and grammar. Cultural aspects (major events, foods, art, and so on) of the people(s) speaking the language(s) being studied are typically included as topics of study. Specific content depends upon state standards for grade 1. (Available SY 2012-2020.)

### **56032A000 Foreign Language (grade 2)**

Foreign Language (grade 2) courses engage students in language arts skills (listening, speaking, reading, and writing) necessary to communicate in a foreign language. These courses may emphasize recognition of written words, vocabulary, speech patterns, and grammar so that students become more independent communicators. Cultural aspects (major events, foods, art, and so on) of the people(s) speaking the language(s) being studied are typically included as

topics of study. Specific content depends upon state standards for grade 2. (Available SY 2012-2020.)

### **56033A000 Foreign Language (grade 3)**

Foreign Language (grade 3) courses engage students in language arts skills (listening, speaking, reading, and writing) necessary to communicate in a foreign language. These courses may emphasize recognition of written words, vocabulary, speech patterns, and grammar so that students become more independent communicators. Cultural aspects (major events, foods, art, and so on) of the people(s) speaking the language(s) being studied are typically included as topics of study. Specific content depends upon state standards for grade 3. (Available SY 2012-2020.)

### **56034A000 Foreign Language (grade 4)**

Foreign Language (grade 4) courses engage students in language arts skills (listening, speaking, reading, and writing) necessary to communicate in a foreign language. Cultural and/or historical aspects of the people(s) speaking the language(s) being studied are typically included as topics of study. Specific content depends upon state standards for grade 4. (Available SY 2012-2020.)

### **56035A000 Foreign Language (grade 5)**

Foreign Language (grade 5) courses engage students in language arts skills (listening, speaking, reading, and writing) necessary to communicate in a foreign language. Cultural and/or historical aspects of the people(s) speaking the language(s) being studied are typically included as topics of study. Specific content depends upon state standards for grade 5. (Available SY 2012-2020.)

### **56036A000 Foreign Language (grade 6)**

Foreign Language (grade 6) courses engage students in language arts skills (listening, speaking, reading, and writing) necessary to communicate in a foreign language. Cultural and/or historical aspects of the people(s) speaking the language(s) being studied are typically included as topics of study. Specific content depends upon state standards for grade 6. (Available SY 2012-2020.)

### **56037A000 Foreign Language (grade 7)**

Foreign Language (grade 7) courses emphasize the language arts skills (listening, speaking, reading, and writing) necessary to communicate in a foreign language. Grammar and syntax, vocabulary, and applicable accents typically are studied so that students have the knowledge and ability to express themselves and understand others. Students usually explore the customs,

history, and art forms of the people(s) whose language is being studied. Specific content depends upon state standards for grade 7. (Available SY 2012-2020.)

### **56038A000 Foreign Language (grade 8)**

Foreign Language (grade 8) courses emphasize the language arts skills (listening, speaking, reading, and writing) necessary to communicate in a foreign language. Grammar and syntax, vocabulary, and applicable accents typically are studied so that students have the knowledge and ability to express themselves and understand others. Students usually explore the customs, history, and art forms of the people(s) whose language is being studied. Specific content depends upon state standards for grade 8. (Available SY 2012-2020.)

### **56029A000 Foreign Language (pre-kindergarten)**

Foreign Language (pre-kindergarten) courses engage students in developmentally appropriate activities to acquire the language arts skills (listening, speaking, reading, and writing) necessary to communicate in a foreign language. Course content typically includes some introduction to other cultures. Specific content depends upon state standards for pre-kindergarten. (Available SY 2012-2020.)

### **56030A000 Foreign Language (kindergarten)**

Foreign Language (kindergarten) courses engage students in developmentally appropriate activities to acquire the language arts skills (listening, speaking, reading, and writing) necessary to communicate in a foreign language. Course content typically includes some introduction to other cultures. Specific content depends upon state standards for kindergarten. (Available SY 2012-2020.)

### **56039A000 Foreign Language (Non grade-specific)**

Code 56039, representing Foreign Language courses that are not grade differentiated, should be used when a state or locality does not have or does not employ grade-level content standards, when those standards may apply to a range of consecutive grades (e.g., "by 3rd grade, students should know and be able to do..."), or when the content descriptions above (Foreign Language, early childhood education through grade 8) do not fit the courses offered. (Available SY 2012-2020.)

### **56997A000 Foreign Language and Literature – Independent Study**

Foreign Language and Literature-Independent Study courses, often conducted with instructors as mentors, enable students to explore foreign language-related topics of interest. Independent

Study courses may serve as an opportunity for students to expand their expertise in a particular language, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2012-2020.)

### **56999A000 Foreign Language and Literature – Other**

(Available SY 2012-2020.)

### **06995A000 Foreign Language and Literature—Aide**

Foreign Language and Literature—Aide courses offer students the opportunity to assist instructors in preparing, organizing or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2011-2020.)

### **06997A000 Foreign Language and Literature—Independent Study**

Foreign Language and Literature—Independent Study courses, often conducted with instructors as mentors, enable students to explore foreign language-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular language, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2011-2020.)

### **06999A000 Foreign Language and Literature—Other**

Other Foreign Language and Literature courses. (Available SY 2011-2020.)

### **06998A000 Foreign Language and Literature—Workplace Experience**

Foreign Language and Literature—Workplace Experience courses provide students with work experience in a field related to foreign language and literature. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2011-2020.)

### **06128A000 French Conversation and Culture**

French Conversation and Culture courses provide students with an introduction to the French language and the culture(s) of French-speaking people, placing greater emphasis on speaking

and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2023.)

### **24109A000 French Conversation and Culture**

French Conversation and Culture courses provide students with an introduction to the French language and the culture(s) of French-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2024-.)

### **24108A000 French Field Experience**

French Field Experience courses place students in environments in which they interact with native French speakers, typically in settings where French is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2024-.)

### **06127A000 French Field Experience**

French Field Experience courses place students in environments in which they interact with native French speakers, typically in settings where French is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2011-2023.)

### **06126A000 French for Native Speakers**

French for Native Speakers courses prepare native and heritage speakers to communicate in French in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. French for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the French-speaking world. (Available SY 2011-2023.)

### **24107A000 French for Native Speakers**

French for Native Speakers courses prepare native and heritage speakers to communicate in French in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. French for Native

Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the French-speaking world. (Available SY 2024-.)

### **24100A000 French for Young Learners (prior-to-secondary)**

French for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in French and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of French-speaking cultures. (Available SY 2024-.)

### **56120A000 French for Young Learners (prior-to-secondary)**

French for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in French and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of French-speaking cultures. (Available SY 2012-2023.)

### **24102A000 French I**

Designed to introduce students to French language and culture, French I courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of French-speaking cultures. (Available SY 2024-.)

### **06121A000 French I**

Designed to introduce students to French language and culture, French I courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of French-speaking cultures. (Available SY 2011-2023.)

### **06122A000 French II**

French II courses build upon skills developed in French I, preparing students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. French II courses introduce the relationships among the products, practices, and perspectives of French-speaking cultures. (Available SY 2011-2023.)

### **24103A000 French II**

French II courses build upon skills developed in French I, preparing students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. French II courses introduce the relationships among the products, practices, and perspectives of French-speaking cultures. (Available SY 2024-.)

### **24104A000 French III**

French III courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of French-speaking countries and cultures. (Available SY 2024-.)

### **06123A000 French III**

French III courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of French-speaking countries and cultures. (Available SY 2011-2023.)

### **24101A000 French Immersion (prior-to-secondary)**

French Immersion (prior-to-secondary) courses engage students in developmentally appropriate activities to acquire literacy in French and grade-specific content using French as the language of instruction. French Immersion courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information about standards-based academic content

and incorporate the relationships among the products, practices, and perspectives of French-speaking cultures. (Available SY 2021-.)

#### **06124A000 French IV**

French IV courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. French IV courses promote students' understanding of the relationships among the products, practices, and perspectives of French-speaking countries and cultures. (Available SY 2011-2023.)

#### **24105A000 French IV**

French IV courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. French IV courses promote students' understanding of the relationships among the products, practices, and perspectives of French-speaking countries and cultures. (Available SY 2024-.)

#### **24110A000 French Literature**

French Literature courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in French. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of French cultures into literature, and exploring interdisciplinary connections. (Available SY 2024-.)

#### **06129A000 French Literature**

French Literature courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in French. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of French cultures into literature, and exploring interdisciplinary connections. (Available SY 2011-2023.)



### **24106A000 French V**

French V courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. French V courses promote students' understanding of the relationships among the products, practices, and perspectives of French-speaking countries and cultures. (Available SY 2024-.)

### **06125A000 French V**

French V courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. French V courses promote students' understanding of the relationships among the products, practices, and perspectives of French-speaking countries and cultures. (Available SY 2011-2023.)

### **24149A000 French—Other**

Other French courses. (Available SY 2021-.)

### **06208A000 German Conversation and Culture**

German Conversation and Culture courses provide students with an introduction to the German language and the culture(s) of German-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2023.)

### **24259A000 German Conversation and Culture**

German Conversation and Culture courses provide students with an introduction to the German language and the culture(s) of German-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2024-.)

### **24258A000 German Field Experience**

German Field Experience courses place students in environments in which they interact with native German speakers, typically in settings where German is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and

writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2024-.)

### **06207A000 German Field Experience**

German Field Experience courses place students in environments in which they interact with native German speakers, typically in settings where German is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2011-2023.)

### **06206A000 German for Native Speakers**

German for Native Speakers courses prepare native and heritage speakers to communicate in German in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. German for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the German-speaking world. (Available SY 2011-2023.)

### **24257A000 German for Native Speakers**

German for Native Speakers courses prepare native and heritage speakers to communicate in German in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. German for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the German-speaking world. (Available SY 2024-.)

### **24250A000 German for Young Learners (prior-to-secondary)**

German for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in German and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of German-speaking cultures. (Available SY 2024-.)

### **56200A000 German for Young Learners (prior-to-secondary)**

German for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in German and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of German-speaking cultures. (Available SY 2012-2023.)

### **24252A000 German I**

Designed to introduce students to German language and culture, German I courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of German-speaking cultures. (Available SY 2024-.)

### **06201A000 German I**

Designed to introduce students to German language and culture, German I courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of German-speaking cultures. (Available SY 2011-2023.)

### **06202A000 German II**

German II courses build upon skills developed in German I, preparing students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. German II courses introduce the relationships among the products, practices, and perspectives of German-speaking cultures. (Available SY 2011-2023.)

### **24253A000 German II**

German II courses build upon skills developed in German I, preparing students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. German II courses introduce the relationships among the products, practices, and perspectives of German-speaking cultures. (Available SY 2024-.)

### **24254A000 German III**

German III courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of German-speaking countries and cultures. (Available SY 2024-.)

### **06203A000 German III**

German III courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of German-speaking countries and cultures. (Available SY 2011-2023.)

### **24251A000 German Immersion (prior-to-secondary)**

German Immersion (prior-to-secondary) courses engage students in developmentally appropriate activities to acquire literacy in German and grade-specific content using German as the language of instruction. German Immersion courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information about standards-based academic content and incorporate the relationships among the products, practices, and perspectives of German-speaking cultures. (Available SY 2021-.)

### **06204A000 German IV**

German IV courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. German IV courses promote students' understanding of the relationships among the products, practices, and perspectives of German-speaking countries and cultures. (Available SY 2011-2023.)

### **24255A000 German IV**

German IV courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. German IV courses promote students' understanding of the

relationships among the products, practices, and perspectives of German-speaking countries and cultures. (Available SY 2024-.)

### **24260A000 German Literature**

German Literature courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in German. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of German cultures into literature, and exploring interdisciplinary connections. (Available SY 2024-.)

### **06209A000 German Literature**

German Literature courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in German. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of German cultures into literature, and exploring interdisciplinary connections. (Available SY 2011-2023.)

### **24256A000 German V**

German V courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. German V courses promote students' understanding of the relationships among the products, practices, and perspectives of German-speaking countries and cultures. (Available SY 2024-.)

### **06205A000 German V**

German V courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. German V courses promote students' understanding of the relationships among the products, practices, and perspectives of German-speaking countries and cultures. (Available SY 2011-2023.)

### **24299A000 German—Other**

Other German courses (Available SY 2021-.)

### **06248A000 Germanic Language Conversation and Culture**

Germanic Language Conversation and Culture courses provide students with an introduction to a Germanic language not otherwise described (e.g., Dutch or Flemish) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2020.)

### **06247A000 Germanic Language Field Experience**

Germanic Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where a Germanic language (e.g., Dutch or Flemish) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally. (Available SY 2011-2020.)

### **06246A000 Germanic Language for Native Speakers**

Germanic Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue not otherwise described (e.g., Dutch or Flemish). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Germanic Language for Native Speakers courses often move faster than do regular Germanic Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills. (Available SY 2011-2020.)

### **06241A000 Germanic Language I**

Designed to introduce students to a Germanic language not otherwise described (e.g., Dutch or Flemish) and culture, Germanic Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. (Available SY 2011-2020.)

### **06242A000 Germanic Language II**

Germanic Language II courses build upon skills developed in Germanic Language I, extending students' ability to understand and express themselves in a Germanic language not otherwise

described (e.g., Dutch or Flemish) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s). (Available SY 2011-2020.)

### **06243A000 Germanic Language III**

Germanic Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. (Available SY 2011-2020.)

### **06244A000 Germanic Language IV**

Germanic Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Germanic Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. (Available SY 2011-2020.)

### **06245A000 Germanic Language V**

Germanic Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future). (Available SY 2011-2020.)

### **06259A000 Germanic Language—Other**

Other Germanic Language courses. (Available SY 2011-2020.)

### **06249A000 Germanic Literature**

Germanic Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in a Germanic language not otherwise described (e.g., Dutch or Flemish). (Available SY 2011-2020.)

### **06288A000 Greek Conversation and Culture**

Greek Conversation and Culture courses provide students with an introduction to the Greek language and the culture(s) of Greek-speaking people, placing greater emphasis on speaking and listening skills while deemphasizing writing and reading the language. (Available SY 2011-2023.)

### **24309A000 Greek Conversation and Culture**

Greek Conversation and Culture courses provide students with an introduction to the Greek language and the culture(s) of Greek-speaking people, placing greater emphasis on speaking and listening skills while deemphasizing writing and reading the language. (Available SY 2024-.)

### **24308A000 Greek Field Experience**

Greek Field Experience courses place students in environments in which they interact with native Greek speakers, typically in settings where Greek is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2024-.)

### **06287A000 Greek Field Experience**

Greek Field Experience courses place students in environments in which they interact with native Greek speakers, typically in settings where Greek is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2011-2023.)

### **06286A000 Greek for Native Speakers**

Greek for Native Speakers courses prepare native and heritage speakers to communicate in Greek in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Greek for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Greek-speaking world. (Available SY 2011-2023.)



### **24307A000 Greek for Native Speakers**

Greek for Native Speakers courses prepare native and heritage speakers to communicate in Greek in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Greek for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Greek-speaking world. (Available SY 2024-.)

### **24300A000 Greek for Young Learners (prior-to-secondary)**

Greek for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Greek and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Greek-speaking cultures. (Available SY 2024-.)

### **56280A000 Greek for Young Learners (prior-to-secondary)**

Greek for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Greek and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Greek-speaking cultures. (Available SY 2012-2023.)

### **24302A000 Greek I**

Designed to introduce students to Greek language and culture, Greek I courses prepare students to communicate authentically in Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Greek-speaking cultures. (Available SY 2024-.)

### **06281A000 Greek I**

Designed to introduce students to Greek language and culture, Greek I courses prepare students to communicate authentically in Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a

variety of topics. They introduce the relationships among the products, practices, and perspectives of Greek-speaking cultures. (Available SY 2011-2023.)

### **06282A000 Greek II**

Greek II courses build upon skills developed in Greek I, preparing students to communicate authentically in Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Greek II courses introduce the relationships among the products, practices, and perspectives of Greek-speaking cultures. (Available SY 2011-2023.)

### **24303A000 Greek II**

Greek II courses build upon skills developed in Greek I, preparing students to communicate authentically in Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Greek II courses introduce the relationships among the products, practices, and perspectives of Greek-speaking cultures. (Available SY 2024-.)

### **24304A000 Greek III**

Greek III courses prepare students to communicate authentically in Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Greek-speaking countries and cultures. (Available SY 2024-.)

### **06283A000 Greek III**

Greek III courses prepare students to communicate authentically in Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Greek-speaking countries and cultures. (Available SY 2011-2023.)

### **24301A000 Greek Immersion (prior-to-secondary)**

Greek Immersion (prior-to-secondary) courses engage students in developmentally appropriate activities to acquire literacy in Greek and grade-specific content using Greek as the language of

instruction. Greek Immersion courses prepare students to communicate authentically in Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information about standards-based academic content and incorporate the relationships among the products, practices, and perspectives of Greek-speaking cultures. (Available SY 2021-.)

#### **06284A000 Greek IV**

Greek IV courses prepare students to communicate authentically in Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Greek IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Greek-speaking countries and cultures. (Available SY 2011-2023.)

#### **24305A000 Greek IV**

Greek IV courses prepare students to communicate authentically in Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Greek IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Greek-speaking countries and cultures. (Available SY 2024-.)

#### **24310A000 Greek Literature**

Greek Literature courses prepare students to communicate authentically in Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Greek. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Greek cultures into literature, and exploring interdisciplinary connections. (Available SY 2024-.)

#### **06289A000 Greek Literature**

Greek Literature courses prepare students to communicate authentically in Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Greek. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Greek cultures into literature, and exploring interdisciplinary connections. (Available SY 2011-2023.)

### **24306A000 Greek V**

Greek V courses prepare students to communicate authentically in Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Greek V courses promote students' understanding of the relationships among the products, practices, and perspectives of Greek-speaking countries and cultures. (Available SY 2024-.)

### **06285A000 Greek V**

Greek V courses prepare students to communicate authentically in Greek by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Greek V courses promote students' understanding of the relationships among the products, practices, and perspectives of Greek-speaking countries and cultures. (Available SY 2011-2023.)

### **24339A000 Greek—Other**

Other Greek courses. (Available SY 2024-.)

### **06299A000 Greek—Other**

Other Greek courses. (Available SY 2011-2023.)

### **24700A000 Hebrew (prior-to-secondary)**

Hebrew for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Hebrew and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Hebrew-speaking cultures. (Available SY 2024-.)

### **56700A000 Hebrew (prior-to-secondary)**

Hebrew for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Hebrew and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing)

information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Hebrew-speaking cultures. (Available SY 2012-2023.)

### **06708A000 Hebrew Conversation and Culture**

Hebrew Conversation and Culture courses provide students with an introduction to the Hebrew language and the culture(s) of Hebrew-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2023.)

### **24709A000 Hebrew Conversation and Culture**

Hebrew Conversation and Culture courses provide students with an introduction to the Hebrew language and the culture(s) of Hebrew-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2024-.)

### **24708A000 Hebrew Field Experience**

Hebrew Field Experience courses place students in environments in which they interact with native Hebrew speakers, typically in settings where Hebrew is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2024-.)

### **06707A000 Hebrew Field Experience**

Hebrew Field Experience courses place students in environments in which they interact with native Hebrew speakers, typically in settings where Hebrew is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2011-2023.)

### **06706A000 Hebrew for Native Speakers**

Hebrew for Native Speakers courses prepare native and heritage speakers to communicate in Hebrew in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Hebrew for Native Speakers courses advance students' understanding of the relationships among the

products, practices, and perspectives of the cultures included in the Hebrew-speaking world. (Available SY 2011-2023.)

### **24707A000 Hebrew for Native Speakers**

Hebrew for Native Speakers courses prepare native and heritage speakers to communicate in Hebrew in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Hebrew for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Hebrew-speaking world. (Available SY 2024-.)

### **24702A000 Hebrew I**

Designed to introduce students to Hebrew language and culture, Hebrew I courses prepare students to communicate authentically in Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Hebrew-speaking cultures. (Available SY 2024-.)

### **06701A000 Hebrew I**

Designed to introduce students to Hebrew language and culture, Hebrew I courses prepare students to communicate authentically in Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Hebrew-speaking cultures. (Available SY 2011-2023.)

### **06702A000 Hebrew II**

Hebrew II courses build upon skills developed in Hebrew I, preparing students to communicate authentically in Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Hebrew II courses introduce the relationships among the products, practices, and perspectives of Hebrew-speaking cultures. (Available SY 2011-2023.)

### **24703A000 Hebrew II**

Hebrew II courses build upon skills developed in Hebrew I, preparing students to communicate authentically in Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and

listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Hebrew II courses introduce the relationships among the products, practices, and perspectives of Hebrew-speaking cultures. (Available SY 2024-.)

### **24704A000 Hebrew III**

Hebrew III courses prepare students to communicate authentically in Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Hebrew-speaking countries and cultures. (Available SY 2024-.)

### **06703A000 Hebrew III**

Hebrew III courses prepare students to communicate authentically in Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Hebrew-speaking countries and cultures. (Available SY 2011-2023.)

### **24701A000 Hebrew Immersion (prior-to-secondary)**

Hebrew Immersion (prior-to-secondary) courses engage students in developmentally appropriate activities to acquire literacy in Hebrew and grade-specific content using Hebrew as the language of instruction. Hebrew Immersion courses prepare students to communicate authentically in Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information about standards-based academic content and incorporate the relationships among the products, practices, and perspectives of Hebrew-speaking cultures. (Available SY 2021-.)

### **06704A000 Hebrew IV**

Hebrew IV courses prepare students to communicate authentically in Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Hebrew IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Hebrew-speaking countries and cultures. (Available SY 2011-2023.)

### **24705A000 Hebrew IV**

Hebrew IV courses prepare students to communicate authentically in Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Hebrew IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Hebrew-speaking countries and cultures. (Available SY 2024-.)

### **24710A000 Hebrew Literature**

Hebrew Literature courses prepare students to communicate authentically in Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Hebrew. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Hebrew cultures into literature, and exploring interdisciplinary connections. (Available SY 2024-.)

### **06709A000 Hebrew Literature**

Hebrew Literature courses prepare students to communicate authentically in Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Hebrew. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Hebrew cultures into literature, and exploring interdisciplinary connections. (Available SY 2011-2023.)

### **24706A000 Hebrew V**

Hebrew V courses prepare students to communicate authentically in Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Hebrew V courses promote students' understanding of the relationships among the products, practices, and perspectives of Hebrew-speaking countries and cultures. (Available SY 2024-.)

### **06705A000 Hebrew V**

Hebrew V courses prepare students to communicate authentically in Hebrew by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Hebrew V courses promote students' understanding of the



relationships among the products, practices, and perspectives of Hebrew-speaking countries and cultures. (Available SY 2011-2023.)

#### **24749A000 Hebrew—Other**

Other Hebrew courses (Available SY 2021-.)

#### **24716A000 IB Language B (Hebrew), Middle Years Program IB Course**

International Baccalaureate (IB) Language B (Hebrew), Middle Years Program courses enable students to gain competence in modern Hebrew and encourage respect for and understanding of other languages and cultures. (Available SY 2012-.)

#### **24566A000 IB Language B (Vietnamese), Middle Years Program IB Course**

International Baccalaureate (IB) Language B (Vietnamese), Middle Years Program courses enable students to gain competence in modern Vietnamese and encourage respect for and understanding of other languages and cultures. (Available SY 2012-.)

#### **06732A000 IB Classical Languages—Arabic IB Course**

IB Classical Languages—Arabic courses seek to strike a balance between the study of the language itself (structure, meaning, and formulation) and the study of the civilization it reflects (particularly its culture, philosophies, and institutions). Course content enables students to understand, translate, and appreciate a classical Arabic text; relate literature to its historical or social background; recognize current relevance of ancient literature; and apply acquired knowledge to other subjects. (Available SY 2011-2020.)

#### **24382A000 IB Classical Languages—Greek IB Course**

IB Classical Languages—Greek courses seek to strike a balance between the study of the classic Greek language itself (structure, meaning, and formulation) and the civilization it reflects (particularly its culture, philosophies, and institutions). Course content enables students to understand, translate, and appreciate a classical Greek text; relate literature to its historical or social background; recognize current relevance of ancient literature; and apply acquired knowledge to other subjects. (Available SY 2011-.)

**06712A000 IB Classical Languages—Hebrew****IB Course**

IB Classical Languages—Hebrew courses seek to strike a balance between the study of the language itself (structure, meaning, and formulation) and the study of the civilization it reflects (particularly its culture, philosophies, and institutions). Course content enables students to understand, translate, and appreciate a classical Hebrew text; relate literature to its historical or social background; recognize current relevance of ancient literature; and apply acquired knowledge to other subjects. (Available SY 2011-2020.)

**24352A000 IB Classical Languages—Latin****IB Course**

IB Classical Languages—Latin courses seek to strike a balance between the study of the classic Latin language itself (structure, meaning, and formulation) and the civilization it reflects (particularly its culture, philosophies, and institutions). Course content enables students to understand, translate, and appreciate a classical Latin text; relate literature to its historical or social background; recognize current relevance of ancient literature; and apply acquired knowledge to other subjects. (Available SY 2011-.)

**06650A000 IB Language A (non-English)—Balto-Slavic Language****IB Course**

IB Language A (non-English)—Balto-Slavic Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue. (Available SY 2011-2020.)

**06270A000 IB Language A (non-English)—Celtic Language****IB Course**

IB Language A (non-English)—Celtic Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue. (Available SY 2011-2020.)

**06490A000 IB Language A (non-English)—East Asian Language****IB Course**

IB Language A (non-English)—East Asian Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content

is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue. (Available SY 2011-2020.)

**06250A000 IB Language A (non-English)—Germanic Language**

**IB Course**

IB Language A (non-English)—Germanic Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue. (Available SY 2011-2020.)

**06850A000 IB Language A (non-English)—Indic Language**

**IB Course**

IB Language A (non-English)—Indic Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue. (Available SY 2011-2020.)

**06690A000 IB Language A (non-English)—Iranian/Persian Language**

**IB Course**

IB Language A (non-English)—Iranian/Persian Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue. (Available SY 2011-2020.)

**06870A000 IB Language A (non-English)—Malayo-Polynesian Language**

**IB Course**

IB Language A (non-English)—Malayo-Polynesian Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue. (Available SY 2011-2020.)

**06790A000 IB Language A (non-English)—Non-Semitic African Language** **IB Course**

IB Language A (non-English)—Non-Semitic African Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue. (Available SY 2011-2020.)

**06190A000 IB Language A (non-English)—Romance/Italic Language** **IB Course**

IB Language A (non-English)—Romance/Italic Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue. (Available SY 2011-2020.)

**06590A000 IB Language A (non-English)—Southeast Asian Language** **IB Course**

IB Language A (non-English)—Southeast Asian Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue. (Available SY 2011-2020.)

**06670A000 IB Language A (non-English)—Turkic/Ural-Altaic Language** **IB Course**

IB Language A (non-English)—Turkic/Ural-Altaic Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue. (Available SY 2011-2020.)

**24967A000 IB Language A: Language and Literature—(Other World Language)** **IB Course**

IB Language A: Language and Literature—(Other World Language) courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of various text types and literary forms, composition for purpose and audience, and the context and elements of literature. The course includes oral and written

assignments and is designed for students highly competent in using the language of study in an academic context. (Available SY 2021-.)

**24917A000 IB Language A: Language and Literature—American Indian Language** **IB Course**

IB Language A: Language and Literature—American Indian Language courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of composition for purpose and audience, forms of mass communication and the media, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using an American Indian Language in an academic context. (Available SY 2021-.)

**24767A000 IB Language A: Language and Literature—Arabic** **IB Course**

IB Language A: Language and Literature—Arabic courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of various text types and literary forms, composition for purpose and audience, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using Arabic in an academic context. (Available SY 2021-.)

**24417A000 IB Language A: Language and Literature—Chinese Languages** **IB Course**

IB Language A: Language and Literature—Chinese Languages courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of various text types and literary forms, composition for purpose and audience, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using Chinese languages in an academic context. These courses may be used for any Chinese language, including Mandarin and Cantonese. (Available SY 2021-.)

**24275A000 IB LANGUAGE A: LANGUAGE AND LITERATURE—DUTCH** **IB Course**

IB Language A: Language and Literature—Dutch courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of various text types and literary forms, composition for purpose and audience, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using Dutch in an academic context. (Available SY 2022-.)

**24617A000 IB Language A: Language and Literature—Filipino****IB Course**

IB Language A: Language and Literature—Filipino courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of composition for purpose and audience, forms of mass communication and the media, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using Filipino in an academic context. (Available SY 2021-.)

**24117A000 IB Language A: Language and Literature—French****IB Course**

IB Language A: Language and Literature—French courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of various text types and literary forms, composition for purpose and audience, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using French in an academic context. (Available SY 2011-.)

**24267A000 IB Language A: Language and Literature—German****IB Course**

IB Language A: Language and Literature—German courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of various text types and literary forms, composition for purpose and audience, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using German in an academic context. (Available SY 2021-.)

**24317A000 IB Language A: Language and Literature—Greek****IB Course**

IB Language A: Language and Literature—Greek courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of various text types and literary forms, composition for purpose and audience, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using Greek in an academic context. (Available SY 2021-.)

**24717A000 IB Language A: Language and Literature—Hebrew****IB Course**

IB Language A: Language and Literature—Hebrew courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of composition for purpose and audience, forms of mass communication and the media, and the context and elements of literature. The course includes oral and written

assignments and is designed for students highly competent in using Hebrew in an academic context. (Available SY 2021-.)

**24167A000 IB Language A: Language and Literature—Italian** **IB Course**

IB Language A: Language and Literature—Italian courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of various text types and literary forms, composition for purpose and audience, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using Italian in an academic context. (Available SY 2021-.)

**24467A000 IB Language A: Language and Literature—Japanese** **IB Course**

IB Language A: Language and Literature—Japanese courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of various text types and literary forms, composition for purpose and audience, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using Japanese in an academic context. (Available SY 2021-.)

**24517A000 IB Language A: Language and Literature—Korean** **IB Course**

IB Language A: Language and Literature—Korean courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of various text types and literary forms, composition for purpose and audience, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using Korean in an academic context. (Available SY 2021-.)

**24217A000 IB Language A: Language and Literature—Portuguese** **IB Course**

IB Language A: Language and Literature—Portuguese courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of various text types and literary forms, composition for purpose and audience, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using Portuguese in an academic context. (Available SY 2021-.)

**24667A000 IB Language A: Language and Literature—Russian****IB Course**

IB Language A: Language and Literature—Russian courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of various text types and literary forms, composition for purpose and audience, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using Russian in an academic context. (Available SY 2021-.)

**24067A000 IB Language A: Language and Literature—Spanish****IB Course**

IB Language A: Language and Literature—Spanish courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of various text types and literary forms, composition for purpose and audience, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using Spanish in an academic context. (Available SY 2021-.)

**24817A000 IB Language A: Language and Literature—Swahili****IB Course**

IB Language A: Language and Literature—Swahili courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of composition for purpose and audience, forms of mass communication and the media, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using Swahili in an academic context. (Available SY 2021-.)

**24276A000 IB LANGUAGE A: LANGUAGE AND LITERATURE—SWEDISH****IB Course**

IB Language A: Language and Literature—Swedish courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of various text types and literary forms, composition for purpose and audience, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using Swedish in an academic context. (Available SY 2022-.)

**24567A000 IB Language A: Language and Literature—Vietnamese****IB Course**

IB Language A: Language and Literature—Vietnamese courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of composition for purpose and audience, forms of mass communication and the media, and the context and elements of literature. The course includes oral and written



assignments and is designed for students highly competent in using Vietnamese in an academic context. (Available SY 2021-.)

**24269A000 IB Language A: Literature--Danish**

**IB Course**

IB Language A: Literature—Danish courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Danish in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2022-.)

**24912A000 IB Language A: Literature—American Indian Language**

**IB Course**

IB Language A: Literature—American Indian Language courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using an American Indian Language in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2024-.)

**06830A000 IB Language A: Literature—American Indian Language**

**IB Course**

IB Language A: Literature—American Indian Language courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using an American Indian Language in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2011-2023.)

**24762A000 IB Language A: Literature—Arabic**

**IB Course**

IB Language A: Literature—Arabic courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Arabic in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2011-.)

**24412A000 IB Language A: Literature—Chinese Languages****IB Course**

IB Language A: Literature—Chinese Languages courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Chinese languages in an academic context and is intended for students with native or near-native fluency in the languages. These courses may be used for any Chinese language, including Mandarin and Cantonese. (Available SY 2011-.)

**24270A000 IB LANGUAGE A: LITERATURE—DUTCH****IB Course**

IB Language A: Literature—Dutch courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Dutch in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2022-.)

**24612A000 IB Language A: Literature—Filipino****IB Course**

IB Language A: Literature—Filipino courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Filipino in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2011-.)

**24112A000 IB Language A: Literature—French****IB Course**

IB Language A: Literature—French courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using French in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2021-.)

**24262A000 IB Language A: Literature—German****IB Course**

IB Language A: Literature—German courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses

and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using German in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2011-.)

**24312A000 IB Language A: Literature—Greek**

**IB Course**

IB Language A: Literature—Greek courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Greek in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2011-.)

**24712A000 IB Language A: Literature—Hebrew**

**IB Course**

IB Language A: Literature—Hebrew courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Hebrew in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2011-.)

**24162A000 IB Language A: Literature—Italian**

**IB Course**

IB Language A: Literature—Italian courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Italian in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2011-.)

**24462A000 IB Language A: Literature—Japanese**

**IB Course**

IB Language A: Literature—Japanese courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Japanese in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2011-.)

**24512A000 IB Language A: Literature—Korean****IB Course**

IB Language A: Literature—Korean courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Korean in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2011-.)

**24212A000 IB Language A: Literature—Portuguese****IB Course**

IB Language A: Literature—Portuguese courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Portuguese in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2011-.)

**24662A000 IB Language A: Literature—Russian****IB Course**

IB Language A: Literature—Russian courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Russian in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2011-.)

**24062A000 IB Language A: Literature—Spanish****IB Course**

IB Language A: Literature—Spanish courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Spanish in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2011-.)

**24812A000 IB Language A: Literature—Swahili****IB Course**

IB Language A: Literature—Swahili courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for

students highly competent in using Swahili in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2011-.)

**24271A000 IB LANGUAGE A: LITERATURE—SWEDISH**

**IB Course**

IB Language A: Literature—Swedish courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Swedish in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2022-.)

**24562A000 IB Language A: Literature—Vietnamese**

**IB Course**

IB Language A: Literature—Vietnamese courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Vietnamese in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2011-.)

**24962A000 IB Language A: Literature—World Language (Other Language)**

**IB Course**

IB Language A: Literature—World Language (Other Language) courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using the language of study in an academic context and is intended for students with native or near-native fluency in the language. (Available SY 2021-.)

**24968A000 IB Language Ab Initio—(Other World Language)**

**IB Course**

IB Language Ab Initio—(Other World Language) courses prepare students to take the International Baccalaureate exam for a language not specified elsewhere in this classification system. These courses focus on developing the linguistic abilities of students with little or no experience with the language of study. Course content includes the study of individuals and society, leisure and work, and urban and rural environments. These courses also provide students with the opportunity to practice and explore this language. (Available SY 2021-.)

**24768A000 IB Language Ab Initio—Arabic****IB Course**

IB Language Ab Initio—Arabic courses prepare students to take the International Baccalaureate exam. These courses focus on developing the linguistic abilities of students with little or no experience with the language of study. Course content includes the study of individuals and society, leisure and work, and urban and rural environments. These courses also provide students with the opportunity to practice and explore this language. (Available SY 2021-.)

**24418A000 IB Language Ab Initio—Chinese Languages****IB Course**

IB Language Ab Initio—Chinese Languages courses prepare students to take the International Baccalaureate exam. These courses focus on developing the linguistic abilities of students with little or no experience with the language of study. Course content includes the study of individuals and society, leisure and work, and urban and rural environments. These courses also provide students with the opportunity to practice and explore this language. These courses may be used for any Chinese language, including Mandarin and Cantonese. (Available SY 2021-.)

**24277A000 IB LANGUAGE AB INITIO—DANISH****IB Course**

IB Language Ab Initio—Danish courses prepare students to take the International Baccalaureate exam. These courses focus on developing the linguistic abilities of students with little or no experience with the language of study. Course content includes the study of individuals and society, leisure and work, and urban and rural environments. These courses also provide students with the opportunity to practice and explore this language. (Available SY 2022-.)

**24278A000 IB LANGUAGE AB INITIO—DUTCH****IB Course**

IB Language Ab Initio—Dutch courses prepare students to take the International Baccalaureate exam. These courses focus on developing the linguistic abilities of students with little or no experience with the language of study. Course content includes the study of individuals and society, leisure and work, and urban and rural environments. These courses also provide students with the opportunity to practice and explore this language. (Available SY 2022-.)

**24043A000 IB Language Ab Initio—English****IB Course**

IB Language Ab Initio—English courses prepare students to take the International Baccalaureate exam. These courses focus on developing the linguistic abilities of students with little or no experience with the language of study. Course content includes the study of individuals and society, leisure and work, and urban and rural environments. These courses also provide students with the opportunity to practice and explore this language. (Available SY 2021-.)

**24118A000 IB Language Ab Initio—French****IB Course**

IB Language Ab Initio—French courses prepare students to take the International Baccalaureate exam. These courses focus on developing the linguistic abilities of students with little or no experience with the language of study. Course content includes the study of individuals and society, leisure and work, and urban and rural environments. These courses also provide students with the opportunity to practice and explore this language. (Available SY 2021-.)

**24268A000 IB Language Ab Initio—German****IB Course**

IB Language Ab Initio—German courses prepare students to take the International Baccalaureate exam. These courses focus on developing the linguistic abilities of students with little or no experience with the language of study. Course content includes the study of individuals and society, leisure and work, and urban and rural environments. These courses also provide students with the opportunity to practice and explore this language. (Available SY 2021-.)

**24168A000 IB Language Ab Initio—Italian****IB Course**

IB Language Ab Initio—Italian courses prepare students to take the International Baccalaureate exam. These courses focus on developing the linguistic abilities of students with little or no experience with the language of study. Course content includes the study of individuals and society, leisure and work, and urban and rural environments. These courses also provide students with the opportunity to practice and explore this language. (Available SY 2021-.)

**24468A000 IB Language Ab Initio—Japanese****IB Course**

IB Language Ab Initio—Japanese courses prepare students to take the International Baccalaureate exam. These courses focus on developing the linguistic abilities of students with little or no experience with the language of study. Course content includes the study of individuals and society, leisure and work, and urban and rural environments. These courses also provide students with the opportunity to practice and explore this language. (Available SY 2021-.)

**24668A000 IB Language Ab Initio—Russian****IB Course**

IB Language Ab Initio—Russian courses prepare students to take the International Baccalaureate exam. These courses focus on developing the linguistic abilities of students with little or no experience with the language of study. Course content includes the study of individuals and society, leisure and work, and urban and rural environments. These courses also provide students with the opportunity to practice and explore this language. (Available SY 2021-.)

**24068A000 IB Language Ab Initio—Spanish****IB Course**

IB Language Ab Initio—Spanish courses prepare students to take the International Baccalaureate exam. These courses focus on developing the linguistic abilities of students with little or no experience with the language of study. Course content includes the study of individuals and society, leisure and work, and urban and rural environments. These courses also provide students with the opportunity to practice and explore this language. (Available SY 2021-.)

**24818A000 IB Language Ab Initio—Swahili****IB Course**

IB Language Ab Initio—Swahili courses prepare students to take the International Baccalaureate exam. These courses focus on developing the linguistic abilities of students with little or no experience with the language of study. Course content includes the study of individuals and society, leisure and work, and urban and rural environments. These courses also provide students with the opportunity to practice and explore this language. (Available SY 2021-.)

**24279A000 IB LANGUAGE AB INITIO—SWEDISH****IB Course**

IB Language Ab Initio—Swedish courses prepare students to take the International Baccalaureate exam. These courses focus on developing the linguistic abilities of students with little or no experience with the language of study. Course content includes the study of individuals and society, leisure and work, and urban and rural environments. These courses also provide students with the opportunity to practice and explore this language. (Available SY 2022-.)

**24916A000 IB Language B (American Indian Language), Middle Years Program****IB Course**

International Baccalaureate (IB) Language B (American Indian Language), Middle Years Program courses allow students to gain competence in a modern American Indian Language and encourage respect for and understanding of other languages and cultures. (Available SY 2012-.)

**24866A000 IB Language B (American Sign Language), Middle Years Program** **IB Course**

International Baccalaureate (IB) Language B (American Sign Language), Middle Years Program courses allow students to gain competence in modern American Sign Language and encourage respect for and understanding of other languages and cultures. (Available SY 2012-.)



**24766A000 IB Language B (Arabic), Middle Years Program**

**IB Course**

International Baccalaureate (IB) Language B (Arabic), Middle Years Program courses allow students to gain competence in modern Arabic and encourage respect for and understanding of other languages and cultures. (Available SY 2012-.)

**24416A000 IB Language B (Chinese Languages), Middle Years Program**

**IB Course**

International Baccalaureate (IB) Language B (Chinese Languages), Middle Years Program courses enable students to gain competence in modern Chinese languages and encourage respect for and understanding of other languages and cultures. These courses may be used for any Chinese language, including Mandarin and Cantonese. (Available SY 2012-.)

**24616A000 IB Language B (Filipino), Middle Years Program**

**IB Course**

IB (International Baccalaureate) Language B (Filipino), Middle Years Program courses enable students to gain competence in modern Filipino and encourage respect for and understanding of other languages and cultures. (Available SY 2012-.)

**24116A000 IB Language B (French), Middle Years Program**

**IB Course**

International Baccalaureate (IB) Language B (French), Middle Years Program courses enable students to gain competence in modern French and encourage respect for and understanding of other languages and cultures. (Available SY 2012-.)

**24266A000 IB Language B (German), Middle Years Program**

**IB Course**

International Baccalaureate (IB) Language B (German), Middle Years Program courses enable students to gain competence in modern German and encourage respect for and understanding of other languages and cultures. (Available SY 2012-.)

**24316A000 IB Language B (Greek), Middle Years Program**

**IB Course**

This course allows students to gain competence in modern Greek and encourages respect for and understanding of other languages and cultures. (Available SY 2012-.)

**24166A000 IB Language B (Italian), Middle Years Program**

**IB Course**

Language B (Italian), Middle Years Program courses enable students to gain competence in modern Italian and encourage respect for and understanding of other languages and cultures. (Available SY 2012-.)

**24466A000 IB Language B (Japanese), Middle Years Program**

**IB Course**

International Baccalaureate (IB) Language B (Japanese), Middle Years Program courses enable students to gain competence in modern Japanese and encourage respect for and understanding of other languages and cultures. (Available SY 2012-.)

**24516A000 IB Language B (Korean), Middle Years Program**

**IB Course**

International Baccalaureate (IB) Language B (Korean), Middle Years Program courses enable students to gain competence in modern Korean and encourage respect for and understanding of other languages and cultures. (Available SY 2012-.)

**24966A000 IB Language B (Other World Language), Middle Years Program**

**IB Course**

International Baccalaureate (IB) Language B (Other World Language), Middle Years Program courses allow students to gain competence in a language not specified elsewhere in this classification system and encourage respect for and understanding of other languages and cultures. (Available SY 2021-.)

**24216A000 IB Language B (Portuguese), Middle Years Program**

**IB Course**

International Baccalaureate (IB) Language B (Portuguese), Middle Years Program courses enable students to gain competence in modern Portuguese and encourage respect for and understanding of other languages and cultures. (Available SY 2012-.)

**24666A000 IB Language B (Russian), Middle Years Program**

**IB Course**

International Baccalaureate (IB) Language B (Russian), Middle Years Program courses allow students to gain competence in modern Russian and encourage respect for and understanding of other languages and cultures. (Available SY 2012-.)

**24066A000 IB Language B (Spanish), Middle Years Program****IB Course**

IB Language B (Spanish), Middle Years Program courses enable students to gain competence in modern Spanish; these courses also encourage respect for and understanding of other languages and cultures. (Available SY 2012-.)

**24816A000 IB Language B (Swahili), Middle Years Program****IB Course**

International Baccalaureate (IB) Language B (Swahili), Middle Years Program courses allow students to gain competence in modern Swahili and encourage respect for and understanding of other languages and cultures. (Available SY 2012-.)

**06831A000 IB Language B—American Indian Language****IB Course**

IB Language B—American Indian Language courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the standard-level exam will be able to understand native speakers; students preparing for the higher-level exam will be able to communicate fluently at native speed. (Available SY 2011-2022.)

**24763A000 IB Language B—Arabic****IB Course**

IB Language B—Arabic courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). (Available SY 2011-.)

**06651A000 IB Language B—Balto-Slavic Language****IB Course**

IB Language B—Balto-Slavic Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed. (Available SY 2011-2020.)

**06271A000 IB Language B—Celtic Language****IB Course**

IB Language B—Celtic Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the

students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed. (Available SY 2011-2020.)

**24413A000 IB Language B—Chinese Languages**

**IB Course**

IB Language B—Chinese Languages courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). These courses may be used for any Chinese language, including Mandarin and Cantonese. (Available SY 2011-.)

**24272A000 IB LANGUAGE B—DANISH**

**IB Course**

IB Language B—Danish courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). (Available SY 2022-.)

**24273A000 IB LANGUAGE B—DUTCH**

**IB Course**

IB Language B—Dutch courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). (Available SY 2022-.)

**06491A000 IB Language B—East Asian Language**

**IB Course**

IB Language B—East Asian Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed. (Available SY 2011-2020.)

**24042A000 IB Language B—English**

**IB Course**

IB Language B—English courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). (Available SY 2021-.)

**06531A000 IB Language B—Filipino****IB Course**

IB Language A (non-English)—Filipino courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes indepth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue. (Available SY 2011-2020.)

**24113A000 IB Language B—French****IB Course**

IB Language B—French courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). (Available SY 2011-.)

**24263A000 IB Language B—German****IB Course**

IB Language B—German courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). (Available SY 2011-.)

**06251A000 IB Language B—Germanic Language****IB Course**

IB Language B—Germanic Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed. (Available SY 2011-2020.)

**06291A000 IB Language B—Greek****IB Course**

IB Language B—Greek courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed. (Available SY 2011-2020.)

**24713A000 IB Language B—Hebrew****IB Course**

IB Language B—Hebrew courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). (Available SY 2011-.)

**06851A000 IB Language B—Indic Language**

**IB Course**

IB Language B—Indic Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed. (Available SY 2011-2020.)

**06691A000 IB Language B—Iranian/Persian Language**

**IB Course**

IB Language B—Iranian/Persian Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed. (Available SY 2011-2020.)

**24163A000 IB Language B—Italian**

**IB Course**

IB Language B—Italian courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). (Available SY 2011-.)

**24463A000 IB Language B—Japanese**

**IB Course**

IB Language B—Japanese courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). (Available SY 2011-.)

**24513A000 IB Language B—Korean**

**IB Course**

IB Language B—Korean courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). (Available SY 2011-.)

**06871A000 IB Language B—Malayo-Polynesian Language****IB Course**

IB Language B—Malayo-Polynesian Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed. (Available SY 2011-2020.)

**06791A000 IB Language B—Non-Semitic African Language****IB Course**

IB Language B—Non-Semitic African Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed. (Available SY 2011-2020.)

**24213A000 IB Language B—Portuguese****IB Course**

IB Language B—Portuguese courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). (Available SY 2011-.)

**06191A000 IB Language B—Romance/Italic Language****IB Course**

IB Language B—Romance/Italic Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed. (Available SY 2011-2020.)

**06591A000 IB Language B—Southeast Asian Language****IB Course**

IB Language B—Southeast Asian Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed. (Available SY 2011-2020.)

**24063A000 IB Language B—Spanish****IB Course**

IB Language B—Spanish courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). (Available SY 2011-.)

**06771A000 IB Language B—Swahili****IB Course**

IB Language B—Swahili courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed. (Available SY 2011-2020.)

**24274A000 IB LANGUAGE B—SWEDISH****IB Course**

IB Language B—Swedish courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). (Available SY 2022-.)

**06671A000 IB Language B—Turkic/Ural-Altaic Language****IB Course**

IB Language B—Turkic/Ural-Altaic Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed. (Available SY 2011-2020.)

**06511A000 IB Language B—Vietnamese****IB Course**

IB Language B—Vietnamese courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed. (Available SY 2011-2020.)

**24963A000 IB Language B—World Language (Other Language)****IB Course**



IB Language B—World Language (Other Language) courses prepare students to take the International Baccalaureate Language B exams for a language not specified elsewhere in this classification system. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). (Available SY 2021-.)

### **24663A000 IB Language—Russian**

### **IB Course**

IB Language B—Russian courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). (Available SY 2011-.)

### **06848A000 Indic Language Conversation and Culture**

Indic Language Conversation and Culture courses provide students with an introduction to an Indic language (e.g., Hindi, Urdu, Panjabi, and Romany) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2020.)

### **06847A000 Indic Language Field Experience**

Indic Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where an Indic language (e.g., Hindi, Urdu, Panjabi, and Romany) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally. (Available SY 2011-2020.)

### **06846A000 Indic Language for Native Speakers**

Indic Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue (e.g., Hindi, Urdu, Panjabi, and Romany). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Indic Language for Native Speakers courses often move faster than do regular Indic Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills. (Available SY 2011-2020.)

### **06841A000 Indic Language I**

Designed to introduce students to an Indic language (e.g., Hindi, Urdu, Panjabi, and Romany) and culture, Indic Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a

basic level within predictable areas of need, using customary courtesies and conventions. (Available SY 2011-2020.)

### **06842A000 Indic Language II**

Indic Language II courses build upon skills developed in Indic Language I, extending students' ability to understand and express themselves in an Indic language (e.g., Hindi, Urdu, Panjabi, and Romany) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s). (Available SY 2011-2020.)

### **06843A000 Indic Language III**

Indic Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. (Available SY 2011-2020.)

### **06844A000 Indic Language IV**

Indic Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Indic Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. (Available SY 2011-2020.)

### **06845A000 Indic Language V**

Indic Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future). (Available SY 2011-2020.)

### **06859A000 Indic Language—Other**

Other Indic language courses. (Available SY 2011-2020.)

### **06849A000 Indic Literature**

Indic Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in an Indic language (e.g., Hindi, Urdu, Panjabi, and Romany). (Available SY 2011-2020.)

### **06688A000 Iranian/Persian Language Conversation and Culture**

Iranian/Persian Language Conversation and Culture courses provide students with an introduction to an Iranian/Persian language (e.g., Persian, Kurdish, and Pashto) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2020.)

### **06687A000 Iranian/Persian Language Field Experience**

Iranian/Persian Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where an Iranian/Persian language (e.g., Persian, Kurdish, and Pashto) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally. (Available SY 2011-2020.)

### **06686A000 Iranian/Persian Language for Native Speakers**

Iranian/Persian Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue (e.g., Persian, Kurdish, and Pashto). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Iranian/Persian Language for Native Speakers courses often move faster than do regular Iranian/Persian Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills. (Available SY 2011-2020.)

### **06681A000 Iranian/Persian Language I**

Designed to introduce students to an Iranian/Persian language (e.g., Persian, Kurdish, and Pashto) and culture, Iranian/Persian Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. (Available SY 2011-2020.)

## **06682A000 Iranian/Persian Language II**

Iranian/Persian Language II courses build upon skills developed in Iranian/Persian Language I, extending students' ability to understand and express themselves in a Iranian/Persian language (e.g., Persian, Kurdish, and Pashto) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s). (Available SY 2011-2020.)

## **06683A000 Iranian/Persian Language III**

Iranian/Persian Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. (Available SY 2011-2020.)

## **06684A000 Iranian/Persian Language IV**

Iranian/Persian Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Iranian/Persian Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. (Available SY 2011-2020.)

## **06685A000 Iranian/Persian Language V**

Iranian/Persian Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future). (Available SY 2011-2020.)

## **06699A000 Iranian/Persian Language—Other**

Other Iranian/Persian language courses. (Available SY 2011-2020.)

### **06689A000 Iranian/Persian Literature**

Iranian/Persian Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in an Iranian/Persian language (e.g., Persian, Kurdish, and Pashto). (Available SY 2011-2020.)

### **06148A000 Italian Conversation and Culture**

Italian Conversation and Culture courses provide students with an introduction to the Italian language and the culture(s) of Italian-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2023.)

### **24159A000 Italian Conversation and Culture**

Italian Conversation and Culture courses provide students with an introduction to the Italian language and the culture(s) of Italian-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2024-.)

### **24158A000 Italian Field Experience**

Italian Field Experience courses place students in environments in which they interact with native Italian speakers, typically in settings where Italian is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2024-.)

### **06147A000 Italian Field Experience**

Italian Field Experience courses place students in environments in which they interact with native Italian speakers, typically in settings where Italian is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2011-2023.)

### **06146A000 Italian for Native Speakers**

Italian for Native Speakers courses prepare native and heritage speakers to communicate in Italian in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Italian for Native Speakers courses advance students' understanding of the relationships among the products,

practices, and perspectives of the cultures included in the Italian-speaking world. (Available SY 2011-2023.)

### **24157A000 Italian for Native Speakers**

Italian for Native Speakers courses prepare native and heritage speakers to communicate in Italian in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Italian for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Italian-speaking world. (Available SY 2024-.)

### **24150A000 Italian for Young Learners (prior-to-secondary)**

Italian for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Italian and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Italian-speaking cultures. (Available SY 2024-.)

### **56140A000 Italian for Young Learners (prior-to-secondary)**

Italian for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Italian and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Italian-speaking cultures. (Available SY 2012-2023.)

### **24152A000 Italian I**

Designed to introduce students to Italian language and culture, Italian I courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Italian-speaking cultures. (Available SY 2024-.)

### **06141A000 Italian I**

Designed to introduce students to Italian language and culture, Italian I courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Italian-speaking cultures. (Available SY 2011-2023.)

### **06142A000 Italian II**

Italian II courses build upon skills developed in Italian I, preparing students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Italian II courses introduce the relationships among the products, practices, and perspectives of Italian-speaking cultures. (Available SY 2011-2023.)

### **24153A000 Italian II**

Italian II courses build upon skills developed in Italian I, preparing students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Italian II courses introduce the relationships among the products, practices, and perspectives of Italian-speaking cultures. (Available SY 2024-.)

### **24154A000 Italian III**

Italian III courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Italian-speaking countries and cultures. (Available SY 2024-.)

### **06143A000 Italian III**

Italian III courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Italian-speaking countries and cultures. (Available SY 2011-2023.)

### **24151A000 Italian Immersion (prior-to-secondary)**

Italian Immersion (prior-to-secondary) courses engage students in developmentally appropriate activities to acquire literacy in Italian and grade-specific content using Italian as the language of instruction. Italian Immersion courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information about standards-based academic content and incorporate the relationships among the products, practices, and perspectives of Italian-speaking cultures. (Available SY 2021-.)

### **06144A000 Italian IV**

Italian IV courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Italian IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Italian-speaking countries and cultures. (Available SY 2011-2023.)

### **24155A000 Italian IV**

Italian IV courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Italian IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Italian-speaking countries and cultures. (Available SY 2024-.)

### **24160A000 Italian Literature**

Italian Literature courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Italian. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Italian cultures into literature, and exploring interdisciplinary connections. (Available SY 2024-.)

### **06149A000 Italian Literature**

Italian Literature courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Italian. Emphasis is typically placed on critical and analytical reading and writing, understanding



the integration of Italian cultures into literature, and exploring interdisciplinary connections. (Available SY 2011-2023.)

### **24156A000 Italian V**

Italian V courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Italian V courses promote students' understanding of the relationships among the products, practices, and perspectives of Italian-speaking countries and cultures. (Available SY 2024-.)

### **06145A000 Italian V**

Italian V courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Italian V courses promote students' understanding of the relationships among the products, practices, and perspectives of Italian-speaking countries and cultures. (Available SY 2011-2023.)

### **24199A000 Italian—Other**

Other Italian courses (Available SY 2021-.)

### **06428A000 Japanese Conversation and Culture**

Japanese Conversation and Culture courses provide an introduction to the Japanese language and the culture(s) of Japanese-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2023.)

### **24459A000 Japanese Conversation and Culture**

Japanese Conversation and Culture courses provide students with an introduction to the Japanese language and the culture(s) of Japanese-speaking people, placing greater emphasis on speaking and listening skills while deemphasizing writing and reading the language. (Available SY 2024-.)

### **24458A000 Japanese Field Experience**

Japanese Field Experience courses place students in environments in which they interact with native Japanese speakers, typically in settings where Japanese is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2024-.)

### **06427A000 Japanese Field Experience**

Japanese Field Experience courses place students in environments in which they interact with native Japanese speakers, typically in settings where Japanese is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2011-2023.)

### **06426A000 Japanese for Native Speakers**

Japanese for Native Speakers courses prepare native and heritage speakers to communicate in Japanese in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Japanese for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Japanese-speaking world. (Available SY 2011-2023.)

### **24457A000 Japanese for Native Speakers**

Japanese for Native Speakers courses prepare native and heritage speakers to communicate in Japanese in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Japanese for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Japanese-speaking world. (Available SY 2024-.)

### **24450A000 Japanese for Young Learners (prior-to-secondary)**

Japanese for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Japanese and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing)

information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Japanese-speaking cultures. (Available SY 2024-.)

### **56420A000 Japanese for Young Learners (prior-to-secondary)**

Japanese for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Japanese and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Japanese-speaking cultures. (Available SY 2012-2023.)

### **24452A000 Japanese I**

Designed to introduce students to Japanese language and culture, Japanese I courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Japanese-speaking cultures. (Available SY 2024-.)

### **06421A000 Japanese I**

Designed to introduce students to Japanese language and culture, Japanese I courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Japanese-speaking cultures. (Available SY 2011-2023.)

### **06422A000 Japanese II**

Japanese II courses build upon skills developed in Japanese I, preparing students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Japanese II courses introduce the relationships among the products, practices, and perspectives of Japanese-speaking cultures. (Available SY 2011-2023.)

### **24453A000 Japanese II**

Japanese II courses build upon skills developed in Japanese I, preparing students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on

concrete topics. Japanese II courses introduce the relationships among the products, practices, and perspectives of Japanese-speaking cultures. (Available SY 2024-.)

### **24454A000 Japanese III**

Japanese III courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Japanese-speaking countries and cultures. (Available SY 2024-.)

### **06423A000 Japanese III**

Japanese III courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Japanese-speaking countries and cultures. (Available SY 2011-2023.)

### **24451A000 Japanese Immersion (prior-to-secondary)**

Japanese Immersion (prior-to-secondary) courses engage students in developmentally appropriate activities to acquire literacy in Japanese and grade-specific content using Japanese as the language of instruction. Japanese Immersion courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information about standards-based academic content and incorporate the relationships among the products, practices, and perspectives of Japanese-speaking cultures. (Available SY 2021-.)

### **06424A000 Japanese IV**

Japanese IV courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Japanese IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Japanese-speaking countries and cultures. (Available SY 2011-2023.)

### **24455A000 Japanese IV**

Japanese IV courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Japanese IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Japanese-speaking countries and cultures. (Available SY 2024-.)

### **24460A000 Japanese Literature**

Japanese Literature courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Japanese. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Japanese cultures into literature, and exploring interdisciplinary connections. (Available SY 2024-.)

### **06429A000 Japanese Literature**

Japanese Literature courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Japanese. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Japanese cultures into literature, and exploring interdisciplinary connections. (Available SY 2011-2023.)

### **24456A000 Japanese V**

Japanese V courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Japanese V courses promote students' understanding of the relationships among the products, practices, and perspectives of Japanese-speaking countries and cultures. (Available SY 2024-.)

### **06425A000 Japanese V**

Japanese V courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Japanese V courses promote students' understanding of the

relationships among the products, practices, and perspectives of Japanese-speaking countries and cultures. (Available SY 2011-2023.)

#### **24499A000 Japanese—Other**

Other Japanese courses (Available SY 2021-.)

#### **06448A000 Korean Conversation and Culture**

Korean Conversation and Culture courses provide students with an introduction to the Korean language and the culture(s) of Korean-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2023.)

#### **24509A000 Korean Conversation and Culture**

Korean Conversation and Culture courses provide students with an introduction to the Korean language and the culture(s) of Korean-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2024-.)

#### **24508A000 Korean Field Experience**

Korean Field Experience courses place students in environments in which they interact with native Korean speakers, typically in settings where Korean is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2024-.)

#### **06447A000 Korean Field Experience**

Korean Field Experience courses place students in environments in which they interact with native Korean speakers, typically in settings where Korean is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2011-2023.)

### **06446A000 Korean for Native Speakers**

Korean for Native Speakers courses prepare native and heritage speakers to communicate in Korean in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Korean for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Korean-speaking world. (Available SY 2011-2023.)

### **24507A000 Korean for Native Speakers**

Korean for Native Speakers courses prepare native and heritage speakers to communicate in Korean in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Korean for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Korean-speaking world. (Available SY 2024-.)

### **24500A000 Korean for Young Learners (prior-to-secondary)**

Korean for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Korean and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Korean by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Korean-speaking cultures. (Available SY 2024-.)

### **56440A000 Korean for Young Learners (prior-to-secondary)**

Korean for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Korean and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Korean by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Korean-speaking cultures. (Available SY 2012-2023.)

### **24502A000 Korean I**

Designed to introduce students to Korean language and culture, Korean I courses prepare students to communicate authentically in Korean by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing)

information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Korean-speaking cultures. (Available SY 2024-.)

### **06441A000 Korean I**

Designed to introduce students to Korean language and culture, Korean I courses prepare students to communicate authentically in Korean by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Korean-speaking cultures. (Available SY 2011-2023.)

### **06442A000 Korean II**

Korean II courses build upon skills developed in Korean I, preparing students to communicate authentically in Korean by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Korean II courses introduce the relationships among the products, practices, and perspectives of Korean-speaking cultures. (Available SY 2011-2023.)

### **24503A000 Korean II**

Korean II courses build upon skills developed in Korean I, preparing students to communicate authentically in Korean by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Korean II courses introduce the relationships among the products, practices, and perspectives of Korean-speaking cultures. (Available SY 2024-.)

### **24504A000 Korean III**

Korean III courses prepare students to communicate authentically in Korean by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Korean-speaking countries and cultures. (Available SY 2024-.)

### **06443A000 Korean III**

Korean III courses prepare students to communicate authentically in Korean by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including



connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Korean-speaking countries and cultures. (Available SY 2011-2023.)

### **24501A000 Korean Immersion (prior-to-secondary)**

Korean Immersion (prior-to-secondary) courses engage students in developmentally appropriate activities to acquire literacy in Korean and grade-specific content using Korean as the language of instruction. Korean Immersion courses prepare students to communicate authentically in Korean by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information about standards-based academic content and incorporate the relationships among the products, practices, and perspectives of Korean-speaking cultures. (Available SY 2021-.)

### **06444A000 Korean IV**

Korean IV courses prepare students to communicate authentically in Korean by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Korean IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Korean-speaking countries and cultures. (Available SY 2011-2023.)

### **24505A000 Korean IV**

Korean IV courses prepare students to communicate authentically in Korean by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Korean IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Korean-speaking countries and cultures. (Available SY 2024-.)

### **24510A000 Korean Literature**

Korean Literature courses prepare students to communicate authentically in Korean by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Korean. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Korean cultures into literature, and exploring interdisciplinary connections. (Available SY 2024-.)

### **06449A000 Korean Literature**

Korean Literature courses prepare students to communicate authentically in Korean by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Korean. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Korean cultures into literature, and exploring interdisciplinary connections. (Available SY 2011-2023.)

### **24506A000 Korean V**

Korean V courses prepare students to communicate authentically in Korean by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Korean V courses promote students' understanding of the relationships among the products, practices, and perspectives of Korean-speaking countries and cultures. (Available SY 2024-.)

### **06445A000 Korean V**

Korean V courses prepare students to communicate authentically in Korean by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Korean V courses promote students' understanding of the relationships among the products, practices, and perspectives of Korean-speaking countries and cultures. (Available SY 2011-2023.)

### **24549A000 Korean—Other**

Other Korean courses (Available SY 2021-.)

### **24340A000 Latin for Young Learners (prior-to-secondary)**

Latin for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Latin and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Latin-speaking cultures. (Available SY 2024-.)

### **56300A000 Latin for Young Learners (prior-to-secondary)**

Latin for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Latin and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Latin-speaking cultures. (Available SY 2012-2023.)

### **24342A000 Latin I**

Designed to introduce students to Latin language and culture, Latin I courses prepare students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Latin-speaking cultures. (Available SY 2024-.)

### **06301A000 Latin I**

Designed to introduce students to Latin language and culture, Latin I courses prepare students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Latin-speaking cultures. (Available SY 2011-2023.)

### **06302A000 Latin II**

Latin II courses build upon skills developed in Latin I, preparing students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Latin II courses introduce the relationships among the products, practices, and perspectives of Latin-speaking cultures. (Available SY 2011-2023.)

### **24343A000 Latin II**

Latin II courses build upon skills developed in Latin I, preparing students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Latin II courses introduce the relationships among the products, practices, and perspectives of Latin-speaking cultures. (Available SY 2024-.)

**24344A000 Latin III**

Latin III courses prepare students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Latin-speaking countries and cultures. (Available SY 2024-.)

**06303A000 Latin III**

Latin III courses prepare students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Latin-speaking countries and cultures. (Available SY 2011-2023.)

**06304A000 Latin IV**

Latin IV courses prepare students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Latin IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Latin-speaking countries and cultures. (Available SY 2011-2023.)

**24345A000 Latin IV**

Latin IV courses prepare students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Latin IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Latin-speaking countries and cultures. (Available SY 2024-.)

**24346A000 Latin V**

Latin V courses prepare students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Latin V courses promote students' understanding of the relationships

among the products, practices, and perspectives of Latin-speaking countries and cultures. (Available SY 2024-.)

### **06305A000 Latin V**

Latin V courses prepare students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Latin V courses promote students' understanding of the relationships among the products, practices, and perspectives of Latin-speaking countries and cultures. (Available SY 2011-2023.)

### **24369A000 Latin—Other**

Other Latin courses. (Available SY 2021-.)

### **06868A000 Malayo-Polynesian Language Conversation and Culture**

Malayo-Polynesian Language Conversation and Culture courses provide students with an introduction to a Malayo-Polynesian language (e.g., Malay, Indonesian, Hawaiian, and Samoan) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2020.)

### **06867A000 Malayo-Polynesian Language Field Experience**

Malayo-Polynesian Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where a Malayo-Polynesian language (e.g., Malay, Indonesian, Hawaiian, and Samoan) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally. (Available SY 2011-2020.)

### **06866A000 Malayo-Polynesian Language for Native Speakers**

Malayo-Polynesian Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue (e.g., Malay, Indonesian, Hawaiian, and Samoan). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Malayo-Polynesian Language for Native Speakers courses often move faster than do regular Malayo-Polynesian Language courses and emphasize literary development (with a study of literature and composition). These courses may

also include the culture or history of the people and introduce translation skills. (Available SY 2011-2020.)

### **06861A000 Malayo-Polynesian Language I**

Designed to introduce students to a Malayo-Polynesian language (e.g., Malay, Indonesian, Hawaiian, and Samoan) and culture, Malayo-Polynesian Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. (Available SY 2011-2020.)

### **06862A000 Malayo-Polynesian Language II**

Malayo-Polynesian Language II courses build upon skills developed in Malayo-Polynesian Language I, extending students' ability to understand and express themselves in a Malayo-Polynesian language (e.g., Malay, Indonesian, Hawaiian, and Samoan) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s). (Available SY 2011-2020.)

### **06863A000 Malayo-Polynesian Language III**

Malayo-Polynesian Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. (Available SY 2011-2020.)

### **06864A000 Malayo-Polynesian Language IV**

Malayo-Polynesian Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Malayo-Polynesian Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. (Available SY 2011-2020.)

### **06865A000 Malayo-Polynesian Language V**

Malayo-Polynesian Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future). (Available SY 2011-2020.)

#### **06879A000 Malayo-Polynesian Language—Other**

Other Malayo-Polynesian language courses. (Available SY 2011-2020.)

#### **06869A000 Malayo-Polynesian Literature**

Malayo-Polynesian Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in a Malayo-Polynesian language (e.g., Malay, Indonesian, Hawaiian, and Samoan). (Available SY 2011-2020.)

#### **06788A000 Non-Semitic African Language Conversation and Culture**

Non-Semitic African Language Conversation and Culture courses provide students with an introduction to a Non-Semitic African language not otherwise described (e.g., Ibo, Yoruba, and Amharic) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2020.)

#### **06787A000 Non-Semitic African Language Field Experience**

Non-Semitic African Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where a Non-Semitic African language (e.g., Ibo, Yoruba, and Amharic) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally. (Available SY 2011-2020.)

#### **06786A000 Non-Semitic African Language for Native Speakers**

Non-Semitic African Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future). (Available SY 2011-2020.)

### **06781A000 Non-Semitic African Language I**

Designed to introduce students to a Non-Semitic African language not otherwise described (e.g., Ibo, Yoruba, and Amharic) and culture, Non-Semitic African Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. (Available SY 2011-2020.)

### **06782A000 Non-Semitic African Language II**

Non-Semitic African Language II courses build upon skills developed in Non-Semitic African Language I, extending students' ability to understand and express themselves in a Non-Semitic African language not otherwise described (e.g., Ibo, Yoruba, and Amharic) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s). (Available SY 2011-2020.)

### **06783A000 Non-Semitic African Language III**

Non-Semitic African Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. (Available SY 2011-2020.)

### **06784A000 Non-Semitic African Language IV**

Non-Semitic African Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Non-Semitic African Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. (Available SY 2011-2020.)

### **06785A000 Non-Semitic African Language V**

Non-Semitic African Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future). (Available SY 2011-2020.)



### **06799A000 Non-Semitic African Language—Other**

Other Non-Semitic African language courses. (Available SY 2011-2020.)

### **06789A000 Non-Semitic African Literature**

Non-Semitic African Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in a Non-Semitic African language not otherwise described (e.g., Ibo, Yoruba, and Amharic). (Available SY 2011-2020.)

### **24911A000 Particular Topics in American Indian Language**

Particular Topics in American Indian Language courses examine particular topics focused on an American Indian language or culture, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described. (Available SY 2021-.)

### **24861A000 Particular Topics in American Sign Language**

Particular Topics in American Sign Language courses examine particular topics focused on American Sign Language language or culture, such as translation, interpreting, application(s) to career/technical fields, or a specific dialect, other than those already described. (Available SY 2021-.)

### **24761A000 Particular Topics in Arabic**

Particular Topics in Arabic courses examine particular topics focused on Arabic language or culture, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system. (Available SY 2021-.)

### **24411A000 Particular Topics in Chinese Languages**

Particular Topics in Chinese Languages courses examine particular topics focused on Chinese languages or culture, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system. These courses may be used for any Chinese language, including Mandarin and Cantonese. (Available SY 2021-.)

**24381A000 Particular Topics in Classical Greek**

Particular Topics in Classical Greek courses examine particular topics focused on Classical Greek language or culture, such as drama, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system. (Available SY 2021-.)

**24396A000 Particular Topics in Classical Hebrew**

Particular Topics in Classical Hebrew courses examine particular topics focused on Classical Hebrew language or culture, such as drama, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system. (Available SY 2021-.)

**24611A000 Particular Topics in Filipino**

Particular Topics in Filipino courses examine particular topics focused on Filipino language or culture, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system. (Available SY 2021-.)

**24111A000 Particular Topics in French**

Particular Topics in French courses examine particular topics focused on French language or culture, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system. (Available SY 2021-.)

**24261A000 Particular Topics in German**

Particular Topics in German courses examine particular topics focused on German language or culture, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system. (Available SY 2021-.)

**24311A000 Particular Topics in Greek**

Particular Topics in Greek courses examine particular topics focused on Greek language or culture, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system. (Available SY 2021-.)

**24711A000 Particular Topics in Hebrew**

Particular Topics in Hebrew courses examine particular topics focused on Hebrew language or culture, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system. (Available SY 2021-.)

**24161A000 Particular Topics in Italian**

Particular Topics in Italian courses examine particular topics focused on Italian language or culture, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system. (Available SY 2021-.)

**24461A000 Particular Topics in Japanese**

Particular Topics in Japanese courses examine particular topics focused on Japanese language or culture, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system (Available SY 2021-.)

**24511A000 Particular Topics in Korean**

Particular Topics in Korean courses examine particular topics focused on Korean language or culture, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system. (Available SY 2021-.)

**24351A000 Particular Topics in Latin**

Particular Topics in Latin courses examine particular topics focused on Latin language or culture, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system. (Available SY 2021-.)

**24211A000 Particular Topics in Portuguese**

Particular Topics in Portuguese courses examine particular topics focused on Portuguese language or culture, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system. (Available SY 2021-.)

**24661A000 Particular Topics in Russian**

Particular Topics in Russian courses examine particular topics focused on Russian language or culture, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system. (Available SY 2021-.)

**24061A000 Particular Topics in Spanish**

Particular Topics in Spanish courses examine particular topics focused on Spanish language or culture, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system. (Available SY 2021-.)

**24811A000 Particular Topics in Swahili**

Particular Topics in Swahili courses examine particular topics focused on Swahili language or culture, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system. (Available SY 2021-.)

**24561A000 Particular Topics in Vietnamese**

Particular Topics in Vietnamese courses examine particular topics focused on Vietnamese language or culture, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system. (Available SY 2021-.)

**24961A000 Particular Topics in World Language (Other Language)**

Particular Topics in World Language (Other Language) courses examine particular topics focused on a language (or associated culture) not specified elsewhere in this classification system, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described elsewhere in this classification system. (Available SY 2021-.)

**06168A000 Portuguese Conversation and Culture**

Portuguese Conversation and Culture courses provide students with an introduction to the Portuguese language and the culture(s) of Portuguese-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2023.)

### **24209A000 Portuguese Conversation and Culture**

Portuguese Conversation and Culture courses provide students with an introduction to the Portuguese language and the culture(s) of Portuguese-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2024-.)

### **24208A000 Portuguese Field Experience**

Portuguese Field Experience courses place students in environments in which they interact with native Portuguese speakers, typically in settings where Portuguese is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2024-.)

### **06167A000 Portuguese Field Experience**

Portuguese Field Experience courses place students in environments in which they interact with native Portuguese speakers, typically in settings where Portuguese is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2011-2023.)

### **06166A000 Portuguese for Native Speakers**

Portuguese for Native Speakers courses prepare native and heritage speakers to communicate in Portuguese in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Portuguese for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Portuguese-speaking world. (Available SY 2011-2023.)

### **24207A000 Portuguese for Native Speakers**

Portuguese for Native Speakers courses prepare native and heritage speakers to communicate in Portuguese in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Portuguese for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Portuguese-speaking world. (Available SY 2024-.)

### **24200A000 Portuguese for Young Learners (prior-to-secondary)**

Portuguese for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Portuguese and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Portuguese-speaking cultures. (Available SY 2024-.)

### **56160A000 Portuguese for Young Learners (prior-to-secondary)**

Portuguese for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Portuguese and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Portuguese-speaking cultures. (Available SY 2012-2023.)

### **24202A000 Portuguese I**

Designed to introduce students to Portuguese language and culture, Portuguese I courses prepare students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Portuguese-speaking cultures. (Available SY 2024-.)

### **06161A000 Portuguese I**

Designed to introduce students to Portuguese language and culture, Portuguese I courses prepare students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Portuguese-speaking cultures. (Available SY 2011-2023.)

### **06162A000 Portuguese II**

Portuguese II courses build upon skills developed in Portuguese I, preparing students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on

concrete topics. Portuguese II courses introduce the relationships among the products, practices, and perspectives of Portuguese-speaking cultures. (Available SY 2011-2023.)

### **24203A000 Portuguese II**

Portuguese II courses build upon skills developed in Portuguese I, preparing students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Portuguese II courses introduce the relationships among the products, practices, and perspectives of Portuguese-speaking cultures. (Available SY 2024-.)

### **24204A000 Portuguese III**

Portuguese III courses prepare students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Portuguese-speaking countries and cultures. (Available SY 2024-.)

### **06163A000 Portuguese III**

Portuguese III courses prepare students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Portuguese-speaking countries and cultures. (Available SY 2011-2023.)

### **24201A000 Portuguese Immersion (prior-to-secondary)**

Portuguese Immersion (prior-to-secondary) courses engage students in developmentally appropriate activities to acquire literacy in Portuguese and grade-specific content using Portuguese as the language of instruction. Portuguese Immersion courses prepare students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information about standards-based academic content and incorporate the relationships among the products, practices, and perspectives of Portuguese-speaking cultures. (Available SY 2021-.)

### **06164A000 Portuguese IV**

Portuguese IV courses prepare students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Portuguese IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Portuguese-speaking countries and cultures. (Available SY 2011-2023.)

### **24205A000 Portuguese IV**

Portuguese IV courses prepare students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Portuguese IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Portuguese-speaking countries and cultures. (Available SY 2024-.)

### **24210A000 Portuguese Literature**

Portuguese Literature courses prepare students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Portuguese. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Portuguese cultures into literature, and exploring interdisciplinary connections. (Available SY 2024-.)

### **06169A000 Portuguese Literature**

Portuguese Literature courses prepare students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Portuguese. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Portuguese cultures into literature, and exploring interdisciplinary connections. (Available SY 2011-2023.)

### **24206A000 Portuguese V**

Portuguese V courses prepare students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Portuguese V courses promote students'



understanding of the relationships among the products, practices, and perspectives of Portuguese-speaking countries and cultures. (Available SY 2024-.)

### **06165A000 Portuguese V**

Portuguese V courses prepare students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Portuguese V courses promote students' understanding of the relationships among the products, practices, and perspectives of Portuguese-speaking countries and cultures. (Available SY 2011-2023.)

### **24249A000 Portuguese—Other**

Other Portuguese courses (Available SY 2021-.)

### **06188A000 Romance/Italic Language Conversation and Culture**

Romance/Italic Language Conversation and Culture courses provide students with an introduction to a Romance/Italic language not otherwise described (e.g., Catalan, Sardinian, or Haitian Creole) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2020.)

### **06187A000 Romance/Italic Language Field Experience**

Romance/Italic Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where a Romance/Italic language (e.g., Catalan, Sardinian, or Haitian Creole) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally. (Available SY 2011-2020.)

### **06186A000 Romance/Italic Language for Native Speakers**

Romance/Italic Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue not otherwise described (e.g., Catalan, Sardinian, or Haitian Creole). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Romance/Italic Language for Native Speakers courses often move faster than do regular Romance/Italic Language courses and emphasize literary development (with a study of literature and composition). These courses may

also include the culture or history of the people and introduce translation skills. (Available SY 2011-2020.)

### **06181A000 Romance/Italic Language I**

Designed to introduce students to a Romance/Italic language not otherwise described (e.g., Catalan, Sardinian, or Haitian Creole) and culture, Romance/Italic Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. (Available SY 2011-2020.)

### **06182A000 Romance/Italic Language II**

Romance/Italic Language II courses build upon skills developed in Romance/Italic Language I, extending students' ability to understand and express themselves in a Romance/Italic language not otherwise described (e.g., Catalan, Sardinian, or Haitian Creole) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s). (Available SY 2011-2020.)

### **06183A000 Romance/Italic Language III**

Romance/Italic Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. (Available SY 2011-2020.)

### **06184A000 Romance/Italic Language IV**

Romance/Italic Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Romance/Italic Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. (Available SY 2011-2020.)

### **06185A000 Romance/Italic Language V**

Romance/Italic Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future). (Available SY 2011-2020.)

### **06199A000 Romance/Italic Language—Other**

Other Romance/Italic Language courses. (Available SY 2011-2020.)

### **06189A000 Romance/Italic Literature**

Romance/Italic Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in a Romance/Italic language not otherwise described (e.g., Catalan, Sardinian, or Haitian Creole). (Available SY 2011-2020.)

### **24650A000 Russian (prior-to-secondary)**

Russian for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Russian and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Russian-speaking cultures. (Available SY 2024-.)

### **56600A000 Russian (prior-to-secondary)**

Russian for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Russian and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Russian-speaking cultures. (Available SY 2012-2023.)

### **06608A000 Russian Conversation and Culture**

Russian Conversation and Culture courses provide students with an introduction to the Russian language and the culture(s) of Russian-speaking people, placing greater emphasis on speaking

and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2023.)

### **24659A000 Russian Conversation and Culture**

Russian Conversation and Culture courses provide students with an introduction to the Russian language and the culture(s) of Russian-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2024-.)

### **24658A000 Russian Field Experience**

Russian Field Experience courses place students in environments in which they interact with native Russian speakers, typically in settings where Russian is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2024-.)

### **06607A000 Russian Field Experience**

Russian Field Experience courses place students in environments in which they interact with native Russian speakers, typically in settings where Russian is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2011-2023.)

### **06606A000 Russian for Native Speakers**

Russian for Native Speakers courses prepare native and heritage speakers to communicate in Russian in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Russian for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Russian-speaking world. (Available SY 2011-2023.)

### **24657A000 Russian for Native Speakers**

Russian for Native Speakers courses prepare native and heritage speakers to communicate in Russian in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Russian for

Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Russian-speaking world. (Available SY 2024-.)

### **24652A000 Russian I**

Designed to introduce students to Russian language and culture, Russian I courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Russian-speaking cultures. (Available SY 2024-.)

### **06601A000 Russian I**

Designed to introduce students to Russian language and culture, Russian I courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Russian-speaking cultures. (Available SY 2011-2023.)

### **06602A000 Russian II**

Russian II courses build upon skills developed in Russian I, preparing students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Russian II courses introduce the relationships among the products, practices, and perspectives of Russian-speaking cultures. (Available SY 2011-2023.)

### **24653A000 Russian II**

Russian II courses build upon skills developed in Russian I, preparing students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Russian II courses introduce the relationships among the products, practices, and perspectives of Russian-speaking cultures. (Available SY 2024-.)

### **24654A000 Russian III**

Russian III courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including

connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Russian-speaking countries and cultures. (Available SY 2024-.)

### **06603A000 Russian III**

Russian III courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Russian-speaking countries and cultures. (Available SY 2011-2023.)

### **24651A000 Russian Immersion (prior-to-secondary)**

Russian Immersion (prior-to-secondary) courses engage students in developmentally appropriate activities to acquire literacy in Russian and grade-specific content using Russian as the language of instruction. Russian Immersion courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information about standards-based academic content and incorporate the relationships among the products, practices, and perspectives of Russian-speaking cultures. (Available SY 2021-.)

### **06604A000 Russian IV**

Russian IV courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Russian IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Russian-speaking countries and cultures. (Available SY 2011-2023.)

### **24655A000 Russian IV**

Russian IV courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Russian IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Russian-speaking countries and cultures. (Available SY 2024-.)

### **24660A000 Russian Literature**

Russian Literature courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Russian. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Russian cultures into literature, and exploring interdisciplinary connections.

(Available SY 2024-.)

### **06609A000 Russian Literature**

Russian Literature courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Russian. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Russian cultures into literature, and exploring interdisciplinary connections.

(Available SY 2011-2023.)

### **24656A000 Russian V**

Russian V courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Russian V courses promote students' understanding of the relationships among the products, practices, and perspectives of Russian-speaking countries and cultures. (Available SY 2024-.)

### **06605A000 Russian V**

Russian V courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Russian V courses promote students' understanding of the relationships among the products, practices, and perspectives of Russian-speaking countries and cultures. (Available SY 2011-2023.)

### **24699A000 Russian—Other**

Other Russian courses (Available SY 2021-.)

### **06759A000 Semitic and Near/Middle Eastern Languages—Other**

Other Semitic and Near/Middle Eastern language courses. (Available SY 2011-2020.)

### **06588A000 Southeast Asian Language Conversation and Culture**

Southeast Asian Language Conversation and Culture courses provide students with an introduction to a Southeast Asian language not otherwise described (e.g., Malay, Thai, and Lao) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2020.)

### **06587A000 Southeast Asian Language Field Experience**

Southeast Asian Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where a Southeast Asian language (e.g., Malay, Thai, and Lao) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally. (Available SY 2011-2020.)

### **06586A000 Southeast Asian Language for Native Speakers**

Southeast Asian Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue not otherwise described (e.g., Malay, Thai, and Lao). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Southeast Asian Language for Native Speakers courses often move faster than do regular Southeast Asian Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills. (Available SY 2011-2020.)

### **06581A000 Southeast Asian Language I**

Designed to introduce students to a Southeast Asian language not otherwise described (e.g., Malay, Thai, and Lao) and culture, Southeast Asian Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. (Available SY 2011-2020.)

### **06582A000 Southeast Asian Language II**

Southeast Asian Language II courses build upon skills developed in Southeast Asian Language I, extending students' ability to understand and express themselves in a Southeast Asian language



not otherwise described (e.g., Malay, Thai, and Lao) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s). (Available SY 2011-2020.)

### **06583A000 Southeast Asian Language III**

Southeast Asian Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. (Available SY 2011-2020.)

### **06584A000 Southeast Asian Language IV**

Southeast Asian Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Southeast Asian Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. (Available SY 2011-2020.)

### **06585A000 Southeast Asian Language V**

Southeast Asian Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future). (Available SY 2011-2020.)

### **06599A000 Southeast Asian Language—Other**

Other Southeast Asian Language courses. (Available SY 2011-2020.)

### **06589A000 Southeast Asian Literature**

Southeast Asian Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in a Southeast Asian language not otherwise described (e.g., Malay, Thai, and Lao). (Available SY 2011-2020.)

### **06108A000 Spanish Conversation and Culture**

Spanish Conversation and Culture courses provide students with an introduction to the Spanish language and the culture(s) of Spanish-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2023.)

### **24059A000 Spanish Conversation and Culture**

Spanish Conversation and Culture courses provide students with an introduction to the Spanish language and the culture(s) of Spanish-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2024-.)

### **24058A000 Spanish Field Experience**

Spanish Field Experience courses place students in environments in which they interact with native Spanish speakers, typically in settings where Spanish is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2024-.)

### **06107A000 Spanish Field Experience**

Spanish Field Experience courses place students in environments in which they interact with native Spanish speakers, typically in settings where Spanish is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2011-2023.)

### **06106A000 Spanish for Native Speakers**

Spanish for Native Speakers courses prepare native and heritage speakers to communicate in Spanish in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Spanish for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Spanish-speaking world. (Available SY 2011-2023.)

### **24057A000 Spanish for Native Speakers**

Spanish for Native Speakers courses prepare native and heritage speakers to communicate in Spanish in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Spanish for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Spanish-speaking world. (Available SY 2024-.)

### **24050A000 Spanish for Young Learners (prior-to-secondary)**

Spanish for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Spanish and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures. (Available SY 2024-.)

### **56100A000 Spanish for Young Learners (prior-to-secondary)**

Spanish for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Spanish and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures. (Available SY 2012-2023.)

### **24052A000 Spanish I**

Designed to introduce students to Spanish language and culture, Spanish I courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures. (Available SY 2024-.)

### **06101A000 Spanish I**

Designed to introduce students to Spanish language and culture, Spanish I courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing)

information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures. (Available SY 2011-2023.)

### **06102A000 Spanish II**

Spanish II courses build upon skills developed in Spanish I, preparing students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Spanish II courses introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures. (Available SY 2011-2023.)

### **24053A000 Spanish II**

Spanish II courses build upon skills developed in Spanish I, preparing students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Spanish II courses introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures. (Available SY 2024-.)

### **24054A000 Spanish III**

Spanish III courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures. (Available SY 2024-.)

### **06103A000 Spanish III**

Spanish III courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures. (Available SY 2011-2023.)

### **24051A000 Spanish Immersion (prior-to-secondary)**

Spanish Immersion (prior-to-secondary) courses engage students in developmentally appropriate activities to acquire literacy in Spanish and grade-specific content using Spanish as the language

of instruction. Spanish Immersion courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information about standards-based academic content and incorporate the relationships among the products, practices, and perspectives of Spanish-speaking cultures. (Available SY 2021-.)

#### **06104A000 Spanish IV**

Spanish IV courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Spanish IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures. (Available SY 2011-2023.)

#### **24055A000 Spanish IV**

Spanish IV courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Spanish IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures. (Available SY 2024-.)

#### **24060A000 Spanish Literature**

Spanish Literature courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Spanish. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Hispanic cultures into literature, and exploring interdisciplinary connections. (Available SY 2024-.)

#### **06109A000 Spanish Literature**

Spanish Literature courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Spanish. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Hispanic cultures into literature, and exploring interdisciplinary connections. (Available SY 2011-2023.)

### **24056A000 Spanish V**

Spanish V courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Spanish V courses promote students' understanding of the relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures. (Available SY 2024-.)

### **06105A000 Spanish V**

Spanish V courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Spanish V courses promote students' understanding of the relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures. (Available SY 2011-2023.)

### **24099A000 Spanish—Other**

Other Spanish courses. (Available SY 2021-.)

### **24800A000 Swahili (prior-to-secondary)**

Swahili for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Swahili and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Swahili by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Swahili-speaking cultures. (Available SY 2024-.)

### **56760A000 Swahili (prior-to-secondary)**

Swahili for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Swahili and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Swahili by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Swahili-speaking cultures. (Available SY 2012-2023.)

### **06768A000 Swahili Conversation and Culture**

Swahili Conversation and Culture courses provide students with an introduction to the Swahili language and the culture(s) of Swahili-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2023.)

### **24809A000 Swahili Conversation and Culture**

Swahili Conversation and Culture courses provide students with an introduction to the Swahili language and the culture(s) of Swahili-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2024-.)

### **24808A000 Swahili Field Experience**

Swahili Field Experience courses place students in environments in which they interact with native Swahili speakers, typically in settings where Swahili is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2024-.)

### **06767A000 Swahili Field Experience**

Swahili Field Experience courses place students in environments in which they interact with native Swahili speakers, typically in settings where Swahili is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2011-2023.)

### **06766A000 Swahili for Native Speakers**

Swahili for Native Speakers courses prepare native and heritage speakers to communicate in Swahili in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Swahili for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Swahili-speaking world. (Available SY 2011-2023.)

### **24807A000 Swahili for Native Speakers**

Swahili for Native Speakers courses prepare native and heritage speakers to communicate in Swahili in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Swahili for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Swahili-speaking world. (Available SY 2024-.)

### **24802A000 Swahili I**

Designed to introduce students to Swahili language and culture, Swahili I courses prepare students to communicate authentically in Swahili by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Swahili-speaking cultures. (Available SY 2024-.)

### **06761A000 Swahili I**

Designed to introduce students to Swahili language and culture, Swahili I courses prepare students to communicate authentically in Swahili by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Swahili-speaking cultures. (Available SY 2011-2023.)

### **06762A000 Swahili II**

Swahili II courses build upon skills developed in Swahili I, preparing students to communicate authentically in Swahili by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Swahili II courses introduce the relationships among the products, practices, and perspectives of Swahili-speaking cultures. (Available SY 2011-2023.)

### **24803A000 Swahili II**

Swahili II courses build upon skills developed in Swahili I, preparing students to communicate authentically in Swahili by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Swahili II courses introduce the relationships among the products, practices, and perspectives of Swahili-speaking cultures. (Available SY 2024-.)



### **24804A000 Swahili III**

Swahili III courses prepare students to communicate authentically in Swahili by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Swahili-speaking countries and cultures. (Available SY 2024-.)

### **06763A000 Swahili III**

Swahili III courses prepare students to communicate authentically in Swahili by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Swahili-speaking countries and cultures. (Available SY 2011-2023.)

### **24801A000 Swahili Immersion (prior-to-secondary)**

Swahili Immersion (prior-to-secondary) courses engage students in developmentally appropriate activities to acquire literacy in Swahili and grade-specific content using Swahili as the language of instruction. Swahili Immersion courses prepare students to communicate authentically in Swahili by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information about standards-based academic content and incorporate the relationships among the products, practices, and perspectives of Swahili-speaking cultures. (Available SY 2021-.)

### **06764A000 Swahili IV**

Swahili IV courses prepare students to communicate authentically in Swahili by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Swahili IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Swahili-speaking countries and cultures. (Available SY 2011-2023.)

### **24805A000 Swahili IV**

Swahili IV courses prepare students to communicate authentically in Swahili by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Swahili IV courses promote students' understanding of the

relationships among the products, practices, and perspectives of Swahili-speaking countries and cultures. (Available SY 2024-.)

### **24810A000 Swahili Literature**

Swahili Literature courses prepare students to communicate authentically in Swahili by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Swahili. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Swahili cultures into literature, and exploring interdisciplinary connections. (Available SY 2024-.)

### **06769A000 Swahili Literature**

Swahili Literature courses prepare students to communicate authentically in Swahili by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Swahili. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Swahili cultures into literature, and exploring interdisciplinary connections. (Available SY 2011-2023.)

### **24806A000 Swahili V**

Swahili V courses prepare students to communicate authentically in Swahili by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Swahili V courses promote students' understanding of the relationships among the products, practices, and perspectives of Swahili-speaking countries and cultures. (Available SY 2024-.)

### **06765A000 Swahili V**

Swahili V courses prepare students to communicate authentically in Swahili by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Swahili V courses promote students' understanding of the relationships among the products, practices, and perspectives of Swahili-speaking countries and cultures. (Available SY 2011-2023.)

### **24849A000 Swahili—Other**

Other Swahili courses (Available SY 2021-.)

### **06668A000 Turkic/Ural-Altaic Language Conversation and Culture**

Turkic/Ural-Altaic Language Conversation and Culture courses provide students with an introduction to a Turkic/Ural-Altaic language (e.g., Turkish, Finnish, and Hungarian) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2020.)

### **06667A000 Turkic/Ural-Altaic Language Field Experience**

Turkic/Ural-Altaic Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where a Turkic/Ural-Altaic language (e.g., Turkish, Finnish, and Hungarian) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally. (Available SY 2011-2020.)

### **06666A000 Turkic/Ural-Altaic Language for Native Speakers**

Turkic/Ural-Altaic Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue (e.g., Turkish, Finnish, and Hungarian). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Turkic/Ural-Altaic Language for Native Speakers courses often move faster than do regular Turkic/Ural-Altaic Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills. (Available SY 2011-2020.)

### **06661A000 Turkic/Ural-Altaic Language I**

Designed to introduce students to a Turkic/Ural-Altaic language (e.g., Turkish, Finnish, and Hungarian) and culture, Turkic/Ural-Altaic Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. (Available SY 2011-2020.)

### **06662A000 Turkic/Ural-Altaic Language II**

Turkic/Ural-Altaic Language II courses build upon skills developed in Turkic/Ural-Altaic Language I, extending students' ability to understand and express themselves in a Turkic/Ural-Altaic

language (e.g., Turkish, Finnish, and Hungarian) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s). (Available SY 2011-2020.)

### **06663A000 Turkic/Ural-Altai Language III**

Turkic/Ural-Altai Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. (Available SY 2011-2020.)

### **06664A000 Turkic/Ural-Altai Language IV**

Turkic/Ural-Altai Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Turkic/Ural-Altai Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. (Available SY 2011-2020.)

### **06665A000 Turkic/Ural-Altai Language V**

Turkic/Ural-Altai Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future). (Available SY 2011-2020.)

### **06679A000 Turkic/Ural-Altai Language—Other**

Other Turkic/Ural-Altai language courses. (Available SY 2011-2020.)

### **06669A000 Turkic/Ural-Altai Literature**

Turkic/Ural-Altai Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in a Turkic/Ural-Altai language (e.g., Turkish, Finnish, and Hungarian). (Available SY 2011-2020.)

### **06508A000 Vietnamese Conversation and Culture**

Vietnamese Conversation and Culture courses provide students with an introduction to the Vietnamese language and the culture(s) of Vietnamese-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2011-2023.)

### **24559A000 Vietnamese Conversation and Culture**

Vietnamese Conversation and Culture courses provide students with an introduction to the Vietnamese language and the culture(s) of Vietnamese-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language. (Available SY 2024-.)

### **24558A000 Vietnamese Field Experience**

Vietnamese Field Experience courses place students in environments in which they interact with native Vietnamese speakers, typically in settings where Vietnamese is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2024-.)

### **06507A000 Vietnamese Field Experience**

Vietnamese Field Experience courses place students in environments in which they interact with native Vietnamese speakers, typically in settings where Vietnamese is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2011-2023.)

### **06506A000 Vietnamese for Native Speakers**

Vietnamese for Native Speakers courses prepare native and heritage speakers to communicate in Vietnamese in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Vietnamese for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Vietnamese-speaking world. (Available SY 2011-2023.)

### **24557A000 Vietnamese for Native Speakers**

Vietnamese for Native Speakers courses prepare native and heritage speakers to communicate in Vietnamese in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Vietnamese for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Vietnamese-speaking world. (Available SY 2024-.)

### **24550A000 Vietnamese for Young Learners (prior-to-secondary)**

Vietnamese for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Vietnamese and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Vietnamese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Vietnamese-speaking cultures. (Available SY 2024-.)

### **56500A000 Vietnamese for Young Learners (prior-to-secondary)**

Vietnamese for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Vietnamese and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Vietnamese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Vietnamese-speaking cultures. (Available SY 2012-2023.)

### **24552A000 Vietnamese I**

Designed to introduce students to Vietnamese language and culture, Vietnamese I courses prepare students to communicate authentically in Vietnamese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Vietnamese-speaking cultures. (Available SY 2024-.)

### **06501A000 Vietnamese I**

Designed to introduce students to Vietnamese language and culture, Vietnamese I courses prepare students to communicate authentically in Vietnamese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking,

writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Vietnamese-speaking cultures. (Available SY 2011-2023.)

### **06502A000 Vietnamese II**

Vietnamese II courses build upon skills developed in Vietnamese I, preparing students to communicate authentically in Vietnamese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Vietnamese II courses introduce the relationships among the products, practices, and perspectives of Vietnamese-speaking cultures. (Available SY 2011-2023.)

### **24553A000 Vietnamese II**

Vietnamese II courses build upon skills developed in Vietnamese I, preparing students to communicate authentically in Vietnamese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Vietnamese II courses introduce the relationships among the products, practices, and perspectives of Vietnamese-speaking cultures. (Available SY 2024-.)

### **24554A000 Vietnamese III**

Vietnamese III courses prepare students to communicate authentically in Vietnamese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Vietnamese-speaking countries and cultures. (Available SY 2024-.)

### **06503A000 Vietnamese III**

Vietnamese III courses prepare students to communicate authentically in Vietnamese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Vietnamese-speaking countries and cultures. (Available SY 2011-2023.)

### **24551A000 Vietnamese Immersion (prior-to-secondary)**

Vietnamese Immersion (prior-to-secondary) courses engage students in developmentally appropriate activities to acquire literacy in Vietnamese and grade-specific content using

Vietnamese as the language of instruction. Vietnamese Immersion courses prepare students to communicate authentically in Vietnamese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information about standards-based academic content and incorporate the relationships among the products, practices, and perspectives of Vietnamese-speaking cultures. (Available SY 2021-.)

#### **06504A000 Vietnamese IV**

Vietnamese IV courses prepare students to communicate authentically in Vietnamese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Vietnamese IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Vietnamese-speaking countries and cultures. (Available SY 2011-2023.)

#### **24555A000 Vietnamese IV**

Vietnamese IV courses prepare students to communicate authentically in Vietnamese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Vietnamese IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Vietnamese-speaking countries and cultures. (Available SY 2024-.)

#### **24560A000 Vietnamese Literature**

Vietnamese Literature courses prepare students to communicate authentically in Vietnamese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Vietnamese. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Vietnamese cultures into literature, and exploring interdisciplinary connections. (Available SY 2024-.)

#### **06509A000 Vietnamese Literature**

Vietnamese Literature courses prepare students to communicate authentically in Vietnamese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Vietnamese. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Vietnamese cultures into literature, and exploring interdisciplinary connections. (Available SY 2011-2023.)



**24556A000 Vietnamese V**

Vietnamese V courses prepare students to communicate authentically in Vietnamese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Vietnamese V courses promote students' understanding of the relationships among the products, practices, and perspectives of Vietnamese-speaking countries and cultures. (Available SY 2024-.)

**06505A000 Vietnamese V**

Vietnamese V courses prepare students to communicate authentically in Vietnamese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Vietnamese V courses promote students' understanding of the relationships among the products, practices, and perspectives of Vietnamese-speaking countries and cultures. (Available SY 2011-2023.)

**24599A000 Vietnamese—Other**

Other Vietnamese courses (Available SY 2021-.)

**24959A000 World Language (Other Language) Conversation and Culture**

World Language (Other Language) Conversation and Culture courses provide students with an introduction to a language not specified elsewhere in this classification system and the culture(s) of people speaking the language of study, placing greater emphasis on speaking and listening skills while deemphasizing writing and reading the language. (Available SY 2021-.)

**24958A000 World Language (Other Language) Field Experience**

World Language (Other Language) Field Experience courses place students in environments in which they interact with native speakers of a language not specified elsewhere in this classification system, typically in settings where the language of study is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. (Available SY 2021-.)

### **24957A000 World Language (Other Language) for Native Speakers**

World Language (Other Language) for Native Speakers courses prepare native and heritage speakers to communicate in a language not specified elsewhere in this classification system in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. World Language (Other Language) for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures speaking the language of study. (Available SY 2021-.)

### **24950A000 World Language (Other Language) for Young Learners (prior-to-secondary)**

World Language (Other Language) for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in a language not specified elsewhere in this classification system and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in the language of study by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of culture(s) associated with the language of study. (Available SY 2021-.)

### **24952A000 World Language (Other Language) I**

Designed to introduce students to a language and culture not specified elsewhere in this classification system, World Language (Other Language) I courses prepare students to communicate authentically in the language of study by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of the countries and cultures speaking the language of study. (Available SY 2021-.)

### **24953A000 World Language (Other Language) II**

World Language (Other Language) II courses build upon skills developed in World Language I (Other Language), preparing students to communicate authentically in a language not specified elsewhere in this classification system by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. World Language II (Other Language) courses introduce the relationships among the products, practices, and perspectives of the countries and cultures speaking the language of study. (Available SY 2021-.)

### **24954A000 World Language (Other Language) III**

World Language (Other Language) III courses prepare students to communicate authentically in a language not specified elsewhere in this classification system by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of the countries and cultures speaking the language of study. (Available SY 2021-.)

### **24951A000 World Language (Other Language) Immersion (prior-to-secondary)**

World Language (Other Language) Immersion (prior-to-secondary) courses engage students in developmentally appropriate activities to acquire literacy in a language not specified elsewhere in this classification system and grade-specific content using that language as the language of instruction. World Language (Other Language) Immersion courses prepare students to communicate authentically in the language of study by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information about standards-based academic content and incorporate the relationships among the products, practices, and perspectives of the countries and cultures speaking the language of study. (Available SY 2021-.)

### **24955A000 World Language (Other Language) IV**

World Language (Other Language) IV courses prepare students to communicate authentically in a language not specified elsewhere in this classification system by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. World Language (Other Language) IV courses promote students' understanding of the relationships among the products, practices, and perspectives of the countries and cultures speaking the language of study. (Available SY 2021-.)

### **24960A000 World Language (Other Language) Literature**

World Language (Other Language) Literature courses prepare students to communicate authentically in a language not specified elsewhere in this classification system by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in the language of study. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of the cultures using the studied language into literature, and exploring interdisciplinary connections. (Available SY 2021-.)

### **24956A000 World Language (Other Language) V**

World Language (Other Language) V courses prepare students to communicate authentically in a language not specified elsewhere in this classification system by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. World Language (Other Language) V courses promote students' understanding of the relationships among the products, practices, and perspectives of the countries and cultures speaking the language of study. (Available SY 2021-.)

### **24989A000 World Language (Other Language)—Other**

Other courses specific to a world language not elsewhere specified. (Available SY 2021-.)

### **24995A000 World Language and Literature—Aide**

World Language and Literature—Aide courses offer students the opportunity to assist instructors in preparing, organizing or delivering course curricula. Students may provide tutorial or instructional assistance to other students. (Available SY 2021-.)

### **24997A000 World Language and Literature—Independent Study**

World Language and Literature—Independent Study courses, often conducted with instructors as mentors, enable students to explore (non-English) world language-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular language, to explore a topic in greater detail, or to develop more advanced skills. (Available SY 2021-.)

### **24999A000 World Language and Literature—Other**

Other World Language and Literature courses. (Available SY 2021-.)

### **24998A000 World Language and Literature—Workplace Experience**

World Language and Literature—Workplace Experience courses provide students with work experience in a field related to a (non-English) world language or literature. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. (Available SY 2021-.)

**24039A000 World Language—General**

World Language—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., `by third grade, students should know and be able to do...`). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., World Language, early childhood education through grade 8).] (Available SY 2021-.)

